Upgrades

7

Chapter 7

describes subsequent upgrades in the software resulting from technical changes.

MEDICAL IMAGING
CSO Customer Support Operations

Technical Documentation

Order-No.: DD+DIS248.01E

1 Piece UR8DF MA1

ADC Quality System

Type 4406/421

Software Installation Instructions for ADC QS 2.0.08

Upgrade from ADC QS 1.0.01 / 1.0.05 / 1.0.06 to ADC QS 2.0.08

This modification instruction is also enclosed to the modification kit EB+44060005.

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AGFA

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1 General Information

Before starting the software installation read the appended Tips & Tricks.

1.1 Important Remarks

AGFA cannot guarantuee for proper working of the ADC QS Software if any other 3rd party software is running on the same computer.

If there is another Software (e.g. virus checking software) than the ADC QS Software components on the system, make sure that no other application is running during upgrade, installation or configuration of the ADC QS System!

1.2 Preparing the Upgrade to ADC QS 2.0.08

Adaptation of WIN NT Operating System to the local language

If you want to adapt the WIN NT Operating System language to the local language, you first have to apply the "Language Update Version 1.03" or higher. Please note, this is not a part of this package but is included in the upgrade kit "ADC_QS Upgrade 1.0.01 to 1.0.06" (Order Number: EB+44060723).

1.3 What is new in ADC QS 2.0.08?

- The reliability of the system increased considerably
- Up to three clients can be connected to one server
- Local languages available (English, French, Dutch, Spanish, German, Portuguese, Swedish)
- New supported printers (see appendix)
- Quick print stability is increased

1.4 Software Prerequisites

ADC Compact Digitizer:	≥ COP_1215,
ADC Solo Digitizer:	≥ SOL_1108,
PRID (Preview & Identification SW):	≥ PRID1.2.09

1.5 Scope of Delivery Software Kit ADC QS 2.0.08

(Order Number EB+44060005)
1 x ADC QS 2.0.08 Application CD
1 x ADC Service Pack 6.0 with Security Update CD version 1.05
1 x ADC Restore Toolkit 2.4 CD
1 x ADC QS PRINTER_PPD floppy disk
1 x ADC QS 2.0.08 Upgrade Documentation (DD+DIS239.01E)
3 x CD blank, 74 min. with label

1.6 Required Time for the Upgrade

- approx. 45 min. for the Server Station
- approx. 45 min. for the Client Station

2 Upgrade Procedure for ADC QS Server Station

2.1 Preparations

2.1.1 Toolbar Configuration

(1) Note down your toolbar configurations. They will be lost after the upgrade procedure

2.1.2 Empty Printer Queues

(2) Check that the printer queues of all your printers in the NT print spooler are empty.

(3) In case you have the printer AGFA Drystar SI100 and/or AGFA Drystar SI400 installed as PS printers, delete these printers!

2.1.3 Create site specific backup

(4) Start ADC QS Server Station and click <OK> to login

Make sure the ADC QS application is running.

(5) Make a backup
Select in the Start menu
AGFA
ADC QS
Configuration

(6) Stop the Gateway

(7) Select Monitoring
Task Management
Backup

(8) Click on <Modify>

Before making the backup, check the correct path of the backup directory and change, if necessary: **J:\BackupCompas**

If you had to change the directory, reboot ADC QS application and repeat steps (4) to (7).

(9) Click <Execute> to make a backup
This lasts about 10 min. (depends on the number of data)

Do not interrupt the backup! You can check the progress at the NT Explorer directory J:\BackupCompas by a growing file size.

In the ADC QS Task Manager the status of the backup task is not refreshed automatically. To refresh the status leave Task Manager and start it again.

ADC QS
Server

(10) Stop ADC QS

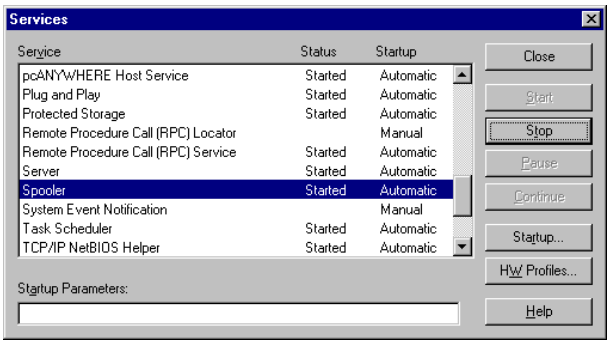
2.1.4 Stop “Spooler” and “World Wide Web Publishing” Services

(11) Stop NT-Service “Spooler”:

Select

```
Control Panel
    Services
        Spooler
```

and click <Stop>.

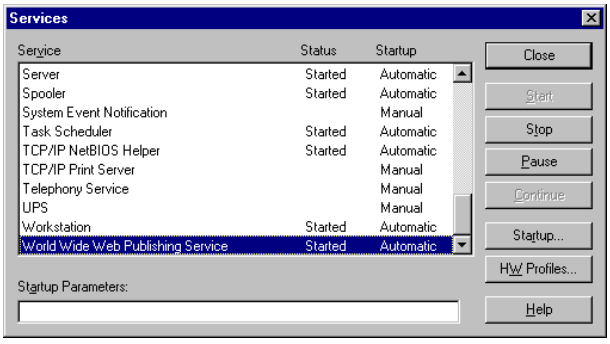


(12) Stop NT-Service “World Wide Web Publishing Service”:

Select

```
Control Panel
    Services
        World Wide Web Publishing Service
```

and click <Stop>.



2.1.5 Creating Restore CD of current Installation

See point 2.4.5 Creating the Restore CD

ADC QS

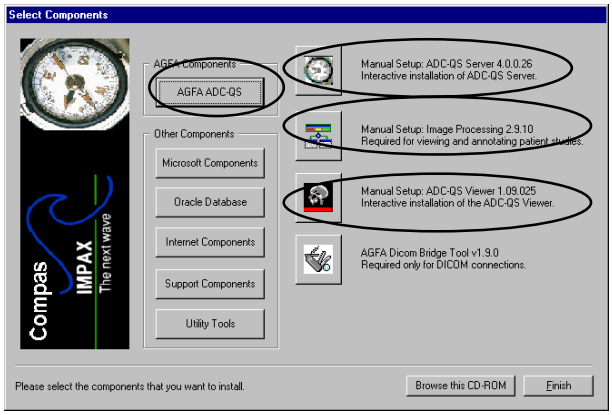
Server

2.2 Installation of Application

2.2.1 Installation of ADC QS Server Components

(1) Insert CD ROM with ADC QS Application Software

(2) Autostart starts the `Install Launcher`



(3) Select in `AGFA Components: <AGFA ADC QS>`

(4) Select
`<Manual Setup ADC QS Server>`

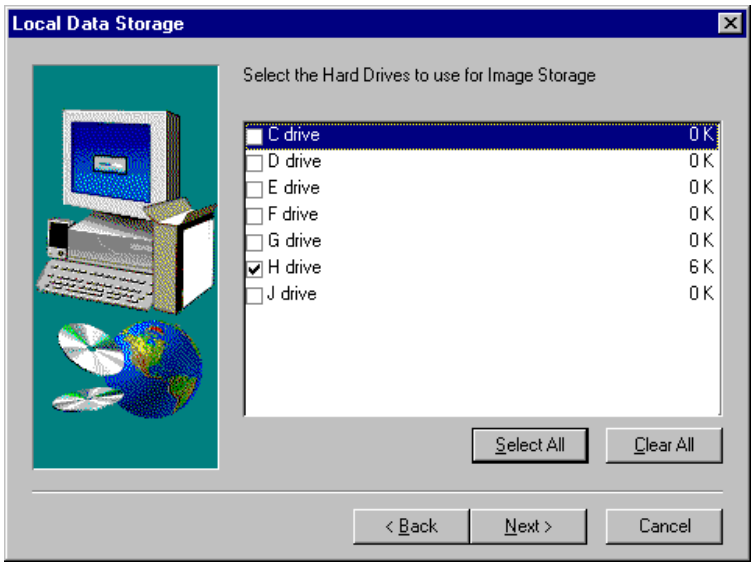
(5) Please read the `Software License Agreement` and click `<Yes>`, if you agree.

(6) Select the default path of `E:\Agfa\CompasServer` and click `<Next>`.

(7) Select the default path for `Server(Complete)` and click `<Next>`.

(8) Select the default folder `Agfa\ADC-QS` and click `<Next>`.

(9) Accept defaults (`H Drive`), or select to match required disk layout and click `<Next>`.



If additional hard disks are installed, it might be necessary to change the drive letter. Do always assign the drive letter of the image disk.

(10) Review information and click `<Next>` to accept, or `<Back>` to change any setting.
Copying starts, at end dialog `Setup Complete` appears.

(11) If you are asked to restart the computer, select `No, I will restart later`

(12) Click `<Finish>`.
The `Install Launcher` window appears again

2.2.2 Installation of ADC QS Image Processing Components

(13) Select in `AGFA Components: <AGFA ADC QS>`

(14) Select
`<Manual Setup Image Processing>`

(15) Click `<Next>` on `Welcome` window

(16) Select default `<Customer Installation>` and click `<Next>`

(17) Check that `E:\Agfa\Improc\ApnCre` is set, using the `<Browse>` button and click `<Next>`

(18) If the popup `The folder.... does not exist. Do you want it created?` appears, click `<Yes>`.
Files are copied, then the Dialog `Setup Complete` appears

(19) Click `<Finish>`.
The `Install Launcher` window appears again

ADC QS

Server

2.2.3 Installation of ADC QS Viewer Component

(20) Select in AGFA Components: <AGFA ADC QS>

(21) Select
<Manual Setup ADC QS Viewer>

(22) Click <Next> on Welcome window

(23) Please read the Software License Agreement and click <Yes>, if you agree

(24) Select default Typical and click <Next>

(25) Select the default path of E:\Agfa\ADC-QS\Viewer and click <Next>

(26) Select the default folder Agfa\ADC-QS and click <Next>

(27) Review information and click <Next> to accept, or <Back> to change any setting.
Files are copied

(28) Click <Finish> to complete Setup
The Install Launcher window appears

(29) Click <Finish> and reboot system at end

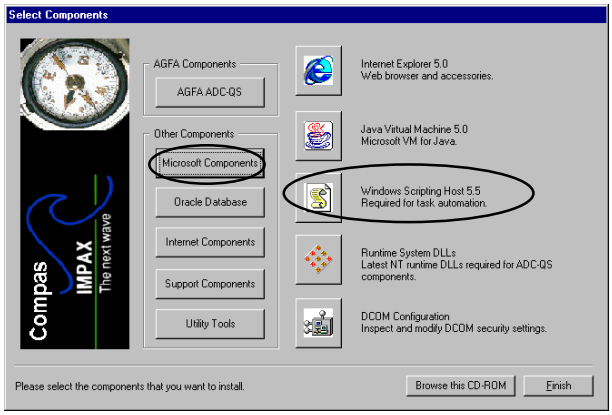
2.2.4 Updating Windows Scripting Host to version 5.5

(30) Stop ADC QS application

(31) Start up Install Launcher again (either by ejecting and re-inserting the CD or selecting setup.exe from the root directory)

(32) Select Microsoft Components

(33) Select Windows Scripting Host 5.5



(34) Click <Yes> in Windows Script Version 5.5 window

(35) Click <Yes> on License Agreement
Files are copied.

ADC QS
Server

(36) Confirm window Windows Script Version 5.5

(37) On question Restart Computer click <No>

(38) Finish the Install Launcher and eject ADC QS application CD

2.3 Additional NT Operating System Upgrades

2.3.1 Activating Posting Acceptor 1.01

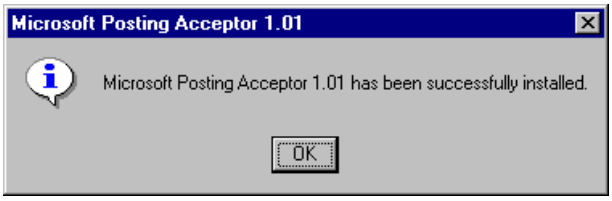
(39) Locate in NT Explorer the file `pak210-x86.exe` (filename may be abbreviated `pak210~1.exe`) in folder `C:\winnt\system32\setup`

(40) Execute `pak210-x86.exe`

(41) Dialog `MS Posting Acceptor 1.01` appears

Confirm License Agreement with `<Yes>`

(42)



Confirm window `Microsoft Posting Acceptor 1.01` with `<OK>`

(43)

Microsoft Posting Acceptor 1.01
You must restart your computer before the new settings will take effect.
Do you want to restart your computer now?
Yes
No

Click `<No>` on question `Restart the computer.`

2.3.2 Service Pack 6a Installation

(44) Insert “Security Update CD version 1.05” (or higher)

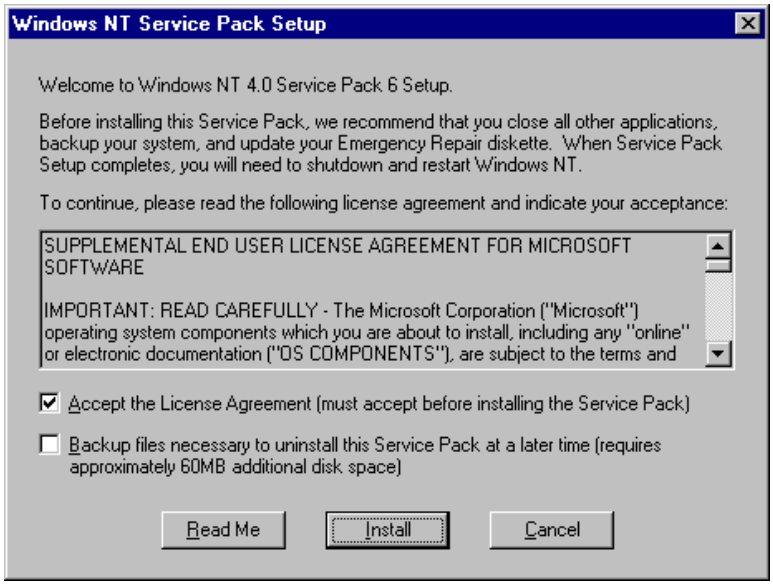
(45) Stop ADC-QS. Disconnect the network cable from the server PC.

(46) Locate via NT Explorer the file `'sp6i386.exe'` on the Security Update CD. As the service Pack is language dependant you have to select the file from the language folder your NT OS is installed with.

(47) Execute file `'sp6i386.exe' by double-clicking`

Files are extracted.

(48) Window `Windows NT Service Pack Setup` appears.
Check `Accept License Agreement...`,
Uncheck `Backup files necessary to uninstall...`, click on `<Install>`.


Windows NT Service Pack Setup
Welcome to Windows NT 4.0 Service Pack 6 Setup.
Before installing this Service Pack, we recommend that you close all other applications, backup your system, and update your Emergency Repair diskette. When Service Pack Setup completes, you will need to shutdown and restart Windows NT.
To continue, please read the following license agreement and indicate your acceptance:
SUPPLEMENTAL END USER LICENSE AGREEMENT FOR MICROSOFT SOFTWARE
IMPORTANT: READ CAREFULLY - The Microsoft Corporation ("Microsoft") operating system components which you are about to install, including any "online" or electronic documentation ("OS COMPONENTS"), are subject to the terms and
Accept the License Agreement (must accept before installing the Service Pack)
Backup files necessary to uninstall this Service Pack at a later time (requires approximately 60MB additional disk space)
Read Me
Install
Cancel

(49) Files are copied. At end click button to restart the system.

2.3.3 Security Update with “Security Rollup” Package

(50) Stop the ADC-QS application and disconnect the Network cable.

(51) Insert “Security rollup toolkit CD version 1.05” (or higher), if not done already

(52) Locate via NT Explorer the file `'CodeRedCleanup.exe'` on the Security Update CD.

(53) Copy it to the `c:\temp` folder

(54) Execute the file `c:\temp\CodeRedCleanup.exe` from a DOS command prompt.

(55) Locate in NT Explorer the Security Rollup Package (SRP) `'q299444.exe'`. The SRP is located in the relevant language folder of the ADC-QS Security Update CD (as xxxq299444.exe, where xxx is the language name prefix).

(56) Execute the SRP, then restart the system as suggested. The SRP will prevent the worm from re-infecting the system.

(57) Reconnect the network cable to the system and remove “Security rollup toolkit CD” from CD-ROM drive.

2.4 Finishing the Installation

2.4.1 Check Printer Properties

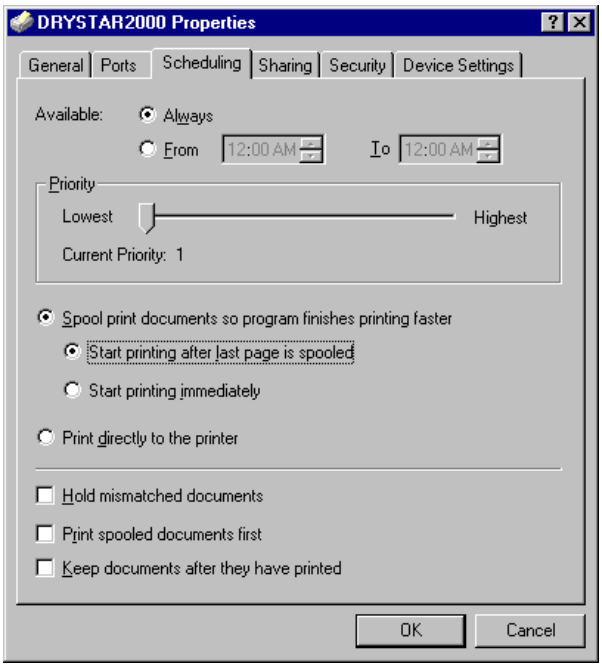
Check the following settings for every installed printer:

(1) Select
`Start`
`Settings`
`Printers`

(2) Move the mouse cursor to a printer and click right mouse button

(3) Select
`Properties`
`Scheduling`

(4) Set “Start printing after last page is spooled”



(5) Click `<OK>`

2.4.2 Set Regional Settings Properties (Activating Local Language for Application)

(6) Check and change local language if necessary.

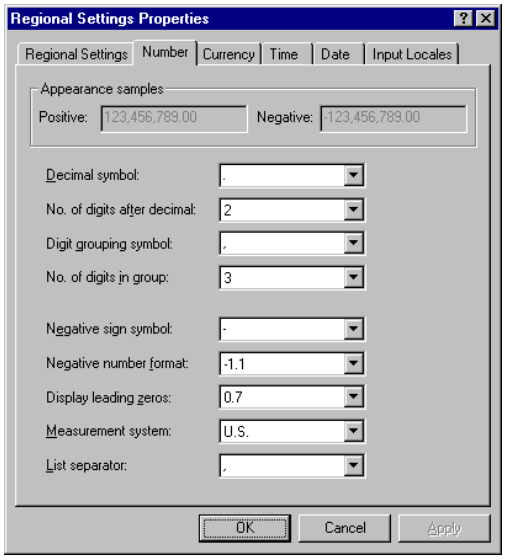
(7) Select
`Control Panel`
`Regional Settings Properties`
tab `Regional Settings`

Possible languages are: English, French, Dutch, Spanish, German, Portuguese, Swedish

ADC QS
Server

(8) Select
`Control Panel`
`Regional Settings Properties`
tab `Number`

(9) Check that the `<Decimal symbol>` is a point and the `<Digit grouping symbol>` is a comma.



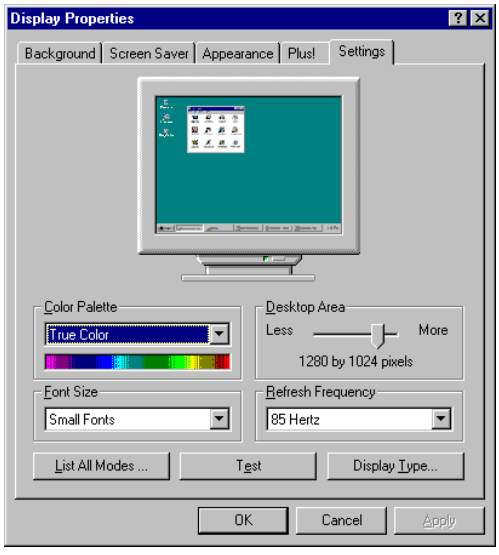
2.4.3 Check Display Settings

(10) Select
`Start`
`Settings`
`Control Panel`

(11) Select
`Display`
`Settings`

(12) Select tab `Settings`

(13) Set color palette to `True Color`



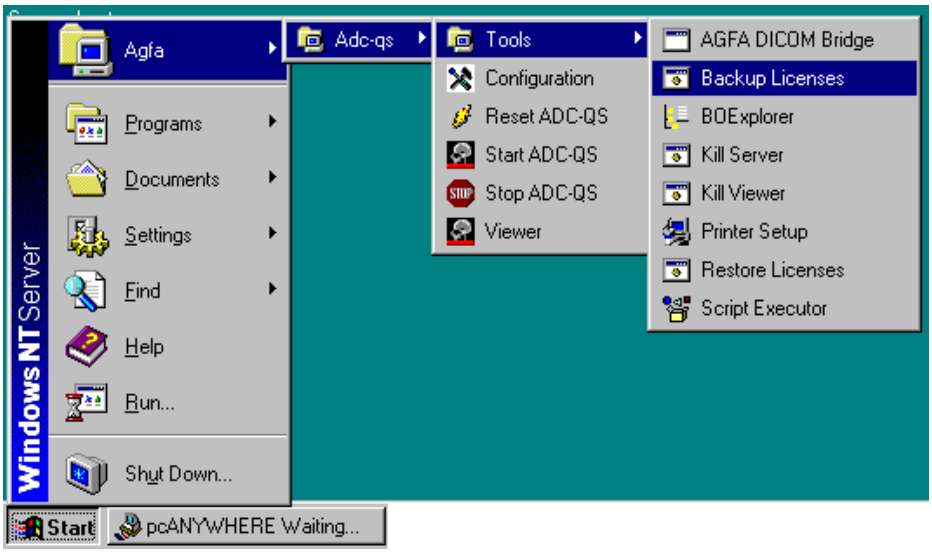
ADC QS

Server

2.4.4 Backup licenses of ADC QS Server

(14) Select

```
Start
 Agfa
  Adcqs
   Tools
    Backup Licenses
```



A backup is created.

2.4.5 Creating the Restore CD

2.4.5.1 General

To create on site a bootable Restore CD-ROM makes it possible to restore the server system at a later date back to the same identical state as it was by creation of the CD. Please pay attention to the following points:

- The CD must only be used on the PC where it was created!
- A Restore CD covers only an image of the first hard disk (partition C, E and F), the second hard disk is not saved.
- It is not possible at the moment to create a Restore CD for the Client Station.
- During the process the CD tray can open and close automatically; this is then part of the procedure.

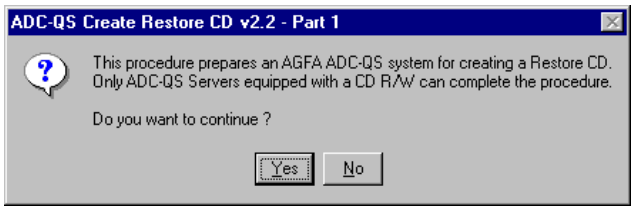
2.4.5.2 Requirements

- CD-ROM ADC-QS Restore Toolkit CD
- Blank or rewriteable CD

2.4.5.3 Procedure

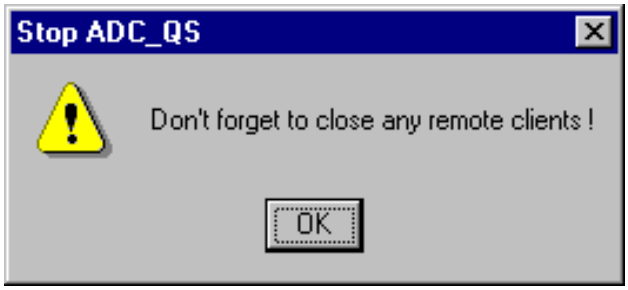
(15) Insert the ADC QS Restore Toolkit CD in the CD-ROM drive.
The CD starts automatically. If it does not start automatically, open file <Make_cd.bat> of the CD.

(16) <Create Restore CD> window appears.


ADC-QS Create Restore CD v2.2 - Part 1
This procedure prepares an AGFA ADC-QS system for creating a Restore CD.
Only ADC-QS Servers equipped with a CD R/W can complete the procedure.
Do you want to continue ?
Yes
No

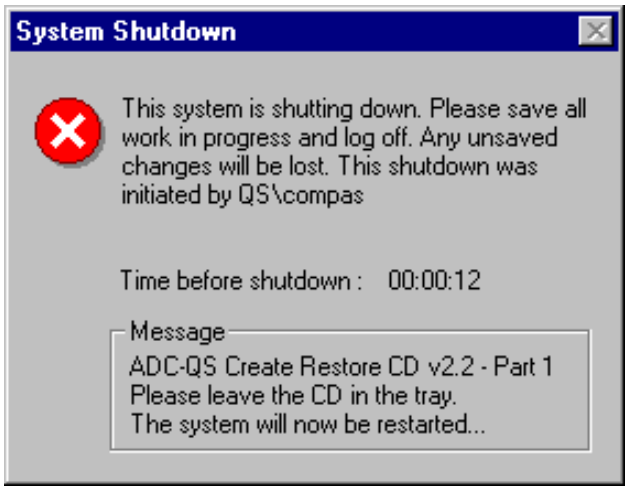
Click <Yes>

(17) Warning to close any existing ADC QS sessions appears.

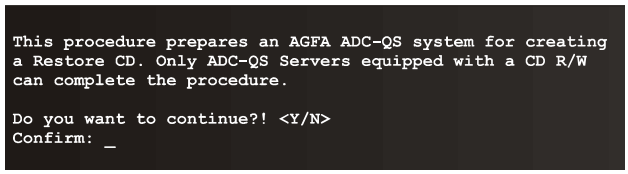


Click <OK>

(18) System shuts down.


System Shutdown
This system is shutting down. Please save all work in progress and log off. Any unsaved changes will be lost. This shutdown was initiated by QS\compas
Time before shutdown : 00:00:12
Message
ADC-QS Create Restore CD v2.2 - Part 1
Please leave the CD in the tray.
The system will now be restarted...

(19) Wait until DOS window appears

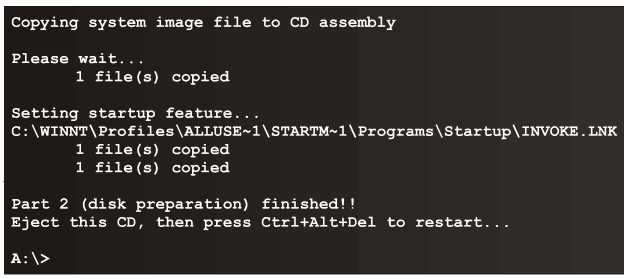

This procedure prepares an AGFA ADC-QS system for creating a Restore CD. Only ADC-QS Servers equipped with a CD R/W can complete the procedure.
Do you want to continue?! <Y/N>
Confirm: _

ADC QS
Server

Type in <Y> or wait until it is inserted automatically after a few seconds (Y corresponds to an American keyboard !)

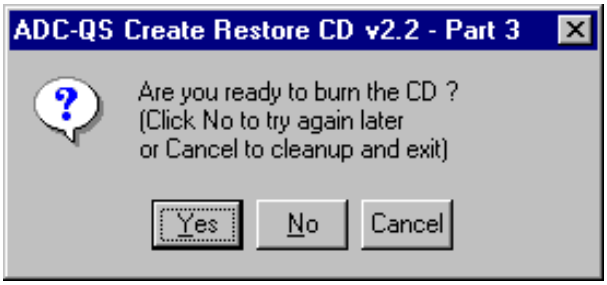
(20) Symantec Ghost program starts automatically and creates a system image of hard disk 1

(21) Wait until DOS window appears



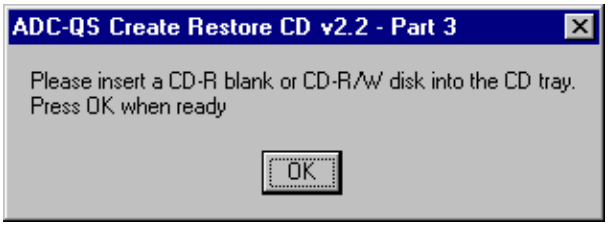
Eject the ADC QS Restore Toolkit CD and press <Ctrl+Alt+Del> to restart the system

(22) Wait until the scanning for CD Writer is finished and the selection window appears


ADC-QS Create Restore CD v2.2 - Part 3
Are you ready to burn the CD ?
(Click No to try again later
or Cancel to cleanup and exit)
Yes
No
Cancel

Click <Yes>

(23) Insert CD-R window appears.



Insert blank CD and click <OK>

(24) Various windows show progress.

(25) Eject the recorded CD and write

- "ADC-QS Server Restore CD"
- Date of creation
- Software version
- Creator of the CD

on it.

ADC QS Server

2.4.5.4 Testing the recorded Restore CD

(26) Insert the Restore CD and restart the system

(27) DOS selection window appears

```
+-----------------------------------------------+
!      AGFA ADC-QS Restore Server Utility       !
+-----------------------------------------------+


Press <1> to restore ADC-QS Server Disk1.
Press <2> to restore ADC-QS Server Disk2.

or <q> to quit (no action).

Select: _
```

Type in <q>
（For testing it is not necessary to carry out a restore procedure)

If the window does not appear, first check the boot sequence in the BIOS before creating a new Restore CD.

ADC QS

Server

3 Upgrade Procedure for ADC QS Client Station

Make sure that the ADC QS application on the server is running.
If it is not running the installation will not succeed!

3.1 Preparations

3.1.1 Toolbar Configuration

(1) Note down your toolbar configurations. They will be lost after the upgrade procedure

3.1.2 Empty Printer Queues

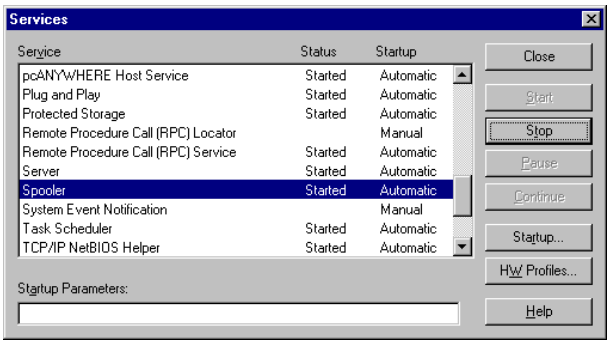
(2) Check that the printer queues of all your printers in the NT print spooler are empty.

(3) In case you have the printer AGFA Drystar SI100 and/or AGFA Drystar SI400 installed as PS printers, delete these printers!

3.1.3 Stop “Spooler” Services

(4) Stop NT-Service “Spooler”:

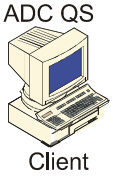
Select
`Control Panel`
`Services`
`Spooler`
and click `<Stop>`.



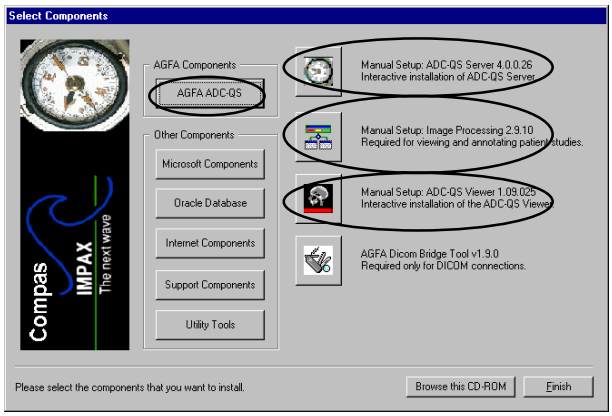
3.2 Installation of Application

(5) Stop ADC QS on the Client Station

(6) Insert CD-ROM with ADC QS Application Software.



(7) Autostart starts `setup.exe` on CD-ROM.
The `Install Launcher` starts



3.2.1 Installation of ADC QS Server Components

(8) Select in `AGFA Components: <AGFA ADC QS>`

(9) Please read the `Software License Agreement` and click `<Yes>`, if you agree

(10) Select
`<Manual Setup ADC QS Server>`

(11) Select the default path of `E:\Agfa\CompasServer` and click `<Next>`

(12) Select `<Client>`

(13) Select the default folder `<Agfa\ADC-QS>` *and* click `<Next>`

(14) Enter the IP-address of the server and click `<Next>`
Check if IP-address of ADC QS server is correct.

(15) Review information and click `<Next>` to accept, or `<Back>` to change any setting.
Files are copied.

(16) Click `<Finish>` to complete Setup.
The `Install Launcher` window appears.

3.2.2 Installation of ADC QS Image Processing Components

(17) Select in `AGFA Components: <AGFA ADC QS>`

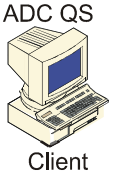
(18) Select
`<Manual Setup Image Processing>` and click `<Next>`

(19) Select default `<Customer Installation>` and click `<Next>`

(20) Select `E:\Agfa\Improc\ApnCre` using the `<Browse>` button, and click `<Next>`

(21) If the popup `The folder.... does not exist. Do you want it created?` appears, click `<Yes>` and `<Next>`.
Files are copied, then the Dialog `Setup Complete` appears

ADC QS



Client

(22) Click `<Finish>`
The `Install Launcher` window appears.

3.2.3 Installation of ADC QS Viewer Components

(23) Select in `AGFA Components: <AGFA ADC QS>`

(24) Select `Manual Setup ADC QS Viewer and` click `<Next>`

(25) Please read the `'Software License Agreement'` and click `<Yes>`, if you agree

(26) Select default `'Typical'` and click `<Next>`

(27) Select the default path of `E:\Agfa\ADC-QS\Viewer` and click `<Next>`

(28) Accept default `Agfa\ADC-QS`, click `<Next>`

(29) Review information and click `<Next>` to accept or `<Back>` to change any setting.
Files are copied.

(30) Click `<Finish>` to complete Setup

(31) Click `<Finish>` again and reboot system at end

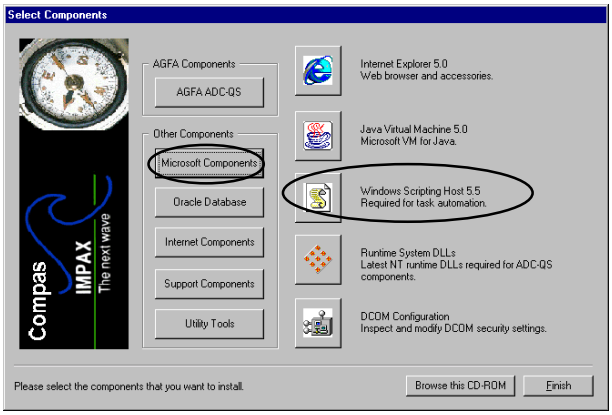
3.2.4 Updating Windows Scripting Host to version 5.5

(28) Stop ADC QS application

(29) Start up `Install Launcher` again (either by ejecting and re-inserting the CD or selecting setup.exe from the root directory)

(30) Select `Microsoft Components`

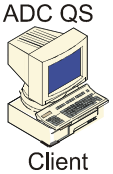
(31) Select Windows Scripting Host 5.5



(32) Click <Yes> in `Windows Script Version 5.5` window

(33) Click <Yes> on License Agreement
Files are copied.

ADC QS



Client

3.3 Additional NT Operating System Upgrade

3.3.1 Service Pack 6a Installation

(34) Insert “Security Update CD version 1.05” (or higher)

(35) Stop ADC-QS. Disconnect the network cable from the client PC.

(36) Locate via NT Explorer the file `'sp6i386.exe'` on the Security Update CD. As the service Pack is language dependant you have to select the file from the language folder your NT OS is installed with.

(37) Execute file `'sp6i386.exe' by double-clicking`

Files are extracted.

(38) Window `Windows NT Service Pack Setup` appears.
Check `Accept License Agreement...`,
Uncheck `Backup files necessary to uninstall...`, click on `<Install>`.

(39) Files are copied. At end click button to restart the system.

3.3.2 Security Update with “Security Roll-up” Package

(40) Stop the ADC-QS application

(41) Insert “Security Update CD version 1.05” (or higher), if not done already

(42) Locate via NT Explorer the file `'CodeRedCleaner.exe'` on the Security Update CD.

(43) Copy it to the `c:\temp` folder

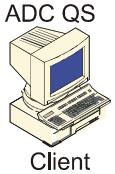
(44) Execute the file `c:\temp\CodeRedCleaner.exe` from a DOS command prompt.

Note that the execution of this step in Client results in an error since one of the components being cleaned does not exist. The error message can be ignored.

(45) Locate in NT Explorer the Security Rollup Package (SRP) `'q299444.exe'`. The SRP is located in the relevant language folder of the ADC-QS Security Update CD (as xxxq299444.exe, where xxx is the language name prefix).

(46) Execute the SRP, then restart the system as suggested. The SRP will prevent the worm from re-infecting the system.

(47) Reconnect the network cable to the system and remove “Security Update CD” from CD-ROM drive



3.4 Finishing the Installation

3.4.1 Set Regional Settings Properties (Activating Local Language for Application)

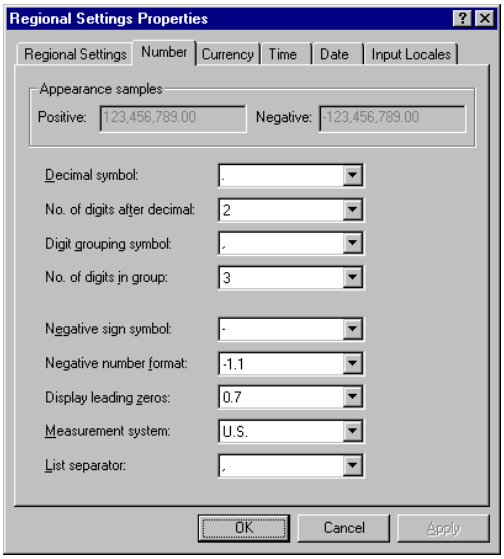
(1) Check and change local language if necessary.

(2) Select
`Control Panel`
`Regional Settings Properties`
tab `Regional Settings`

Possible languages are: English, French, Dutch, Spanish, German, Portuguese, Swedish

(3) Select
`Control Panel`
`Regional Settings Properties`
tab `Number`

(4) Check that the `<Decimal symbol>` is a point and the `<Digit grouping symbol>` is a comma.



3.4.2 Check Display Settings

(5) Select
`Start`
`Settings`
`Control Panel`

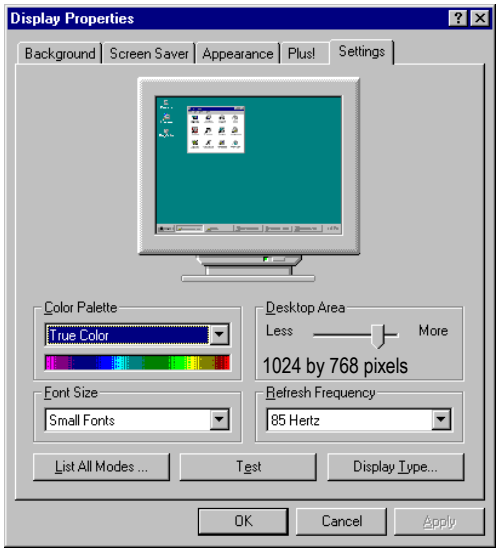
(6) Select
`Display`
`Settings`

(7) Select tab `Settings`

ADC QS

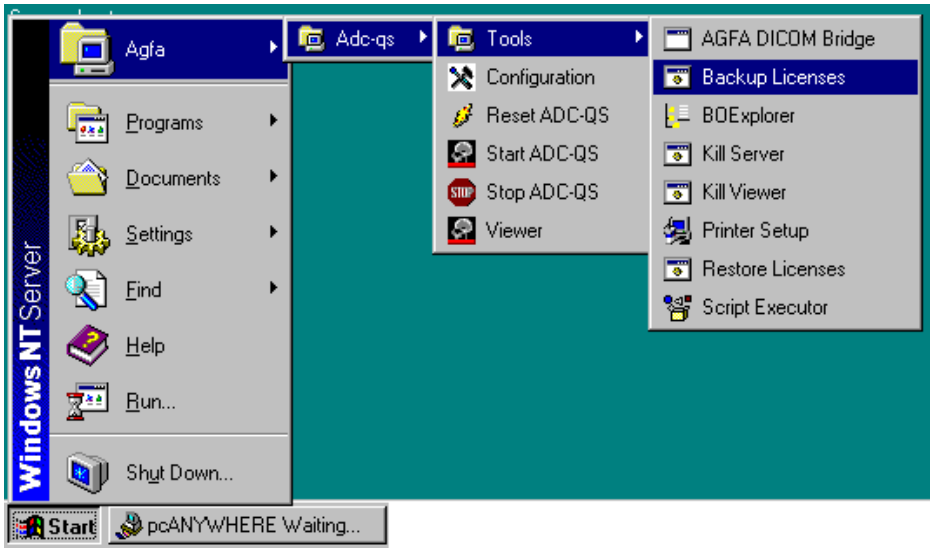
Client

(8) Set color palette to `True Color`

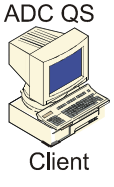


3.4.3 Backup licenses of ADC QS Client

(9) Select
`Start`
`Agfa`
`Adcqs`
`Tools`
`Backup Licenses`



A backup is created.



4 Open Issues (ADC QS 2.0.08)

Birth date field is empty
When birth date field is not entered in PRID then the field remains empty in ADC QS (no default date is put in).

Study info in selector only shows info about first image of study
When the user selects a record in the list view pane and goes to study info via the tools menu, only the info about the first image is visible. It is not possible to access the info for the other images.

Print Composer printing
When printing from Print Composer no “Done” status for printing is shown in List View Pane.

Tasks interrupting by “Deactivate” button may hang up tasks
When status of a task in ADC QS task manager is ACTIVE_EXECUTING and the “Deactivate” button is used, the task status is changed to INACTIVE_EXECUTING. This is an invalid status and it is not possible to make this task running again. Prevention: Never use “Deactivate” button while task status is ACTIVE_EXECUTING.

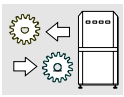
ACCESS_VIOLATION error
If an image is deleted on one of the QC viewers the thumbnail of a deleted image remains and an ACCESS_VIOLATION error occurs. To get rid of this thumbnail refresh by using the “F5” key or closing ADC QC viewer and opening again.

Textbox field is not updated automatically
If the default Print Textbox is used, it does not show examination name on the hardcopy. In the default textbox the correct field `ICRProcedureStepDescription` has been changed to `IProcedureDescription`, which is an empty field in the BOExplorer. The consequence is that instead of the correct data there is now an empty space when you apply the default Print Textbox. Workaround: If the default Print Textbox is used, the field `IProcedureDescription` must be changed manually to `ICRProcedureStepDescription`.

Windows application not able to close while ADC QS is running
When ADC QS is running on a server and you open a window application e.g. the control panel to change date / time, you can not close the application anymore. It stays open as long as the ADC QS is running. By stopping the ADC QS the application is also closed and the changed settings are stored.

Task manager shows QC Phantom task to be ACTIVE
The QC Phantom task can be ignored. It is not available in ADC QS 2.0.08.

Refreshing task manager status
Changed status of the task manager screen is not refreshed automatically. Workaround: To see the actual status, leave the task manager and open it again.



Basic QC viewer sometimes not auto refreshed
Basic QC viewer is sometimes not refreshed automatically. Workaround: Use “F5” key to refresh screen.

Text field entries are reset to default
Demographic data to be displayed under images and thumbnails are reset to default after leaving the application.

Slightly slow display on Client
Display of images and other actions are slightly slower on ADC QS Client PC than on Server.

Difficult identification of print jobs in NT Spooler queue
In the NT Print Spooler it is difficult to identify a print job. If the print job is created by “autoprinting” the patient name is used as print job name; if it is created by interactive printing (Quick Print, Print Composer) only the layout number is visible.

Exporting of GUI
Part of the Graphical User Interface (GUI) cannot be copied and exported to other servers and clients (e.g. toolbar configuration).

Toolbar configuration
Toolbar configuration is lost after the upgrade procedure. The toolbar configuration is not stored per user.

Magnification value on hardcopy
“Magnification value” should not be used, because the value is incorrect. It is not possible to show the correct scaling factor of an image on a hardcopy at the moment.

Burn function
Inversion from black to white does not work proper all the time. Lost energy regions are indicated as black, not black and white (white is inverted, black is not inverted).

Cut off ruler on hardcopy
It is possible to print a ruler on a hardcopy, but if it is printed in true size and this size is larger than the printable area, the ruler will be cut off.

Correction of demographic data
It is not possible to correct demographic data in Basic QC viewer.

Image quality bad
Image quality after transmitting a manually window leveled image to Impax can be bad on Impax version 3.5 in some cases.

Transmission to Impax fail
Manual transmission to Impax fails if started from the dialog box that states that a transmission is ongoing. The status of the transmission is not set to “done” so the user can see that it was not successful and retry.

Film media type can not be changed
The film media type is always blue base, in case a change is needed contact GSC.

Images of one studies are put into two different folders
This problem may occur in the following occasions:

- A study of two or more images is created on PRID. There is a delay of the entering the cassettes in the digitizer which is greater than the IN_PROGRESS timeout.
- A study with more than two images on the PRID is created. The first image arrives at the QC viewer and it is rejected by the user. The second images which arrives on the QC viewer is then put into a different folder then the first one. The third and all later images coming in are again put into the first folder, but never appear on QC viewer! You have to change to IPD to view all of the images.

1 Adding Medical Printers to ADC QS Server Station

1.1 Installing ppd-files from floppy

(1) Insert the floppy disk “ADC QS PRINTER_PPD”

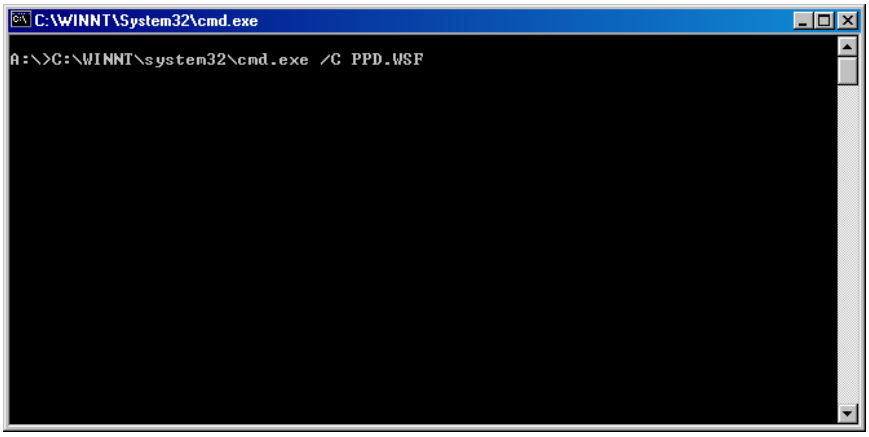
(2) Select

`<Start>`

`<Run>`

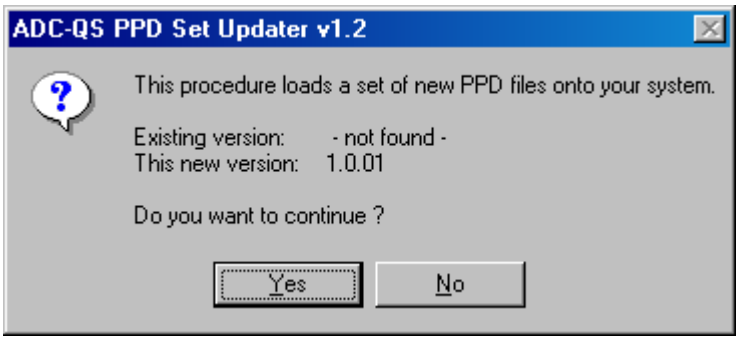
Type: `a:\setup.bat`

DOS windows opens:



No action required.

(3) The ADC QS PPD Set Updater window appears :


ADC-QS PPD Set Updater v1.2
This procedure loads a set of new PPD files onto your system.
Existing version: - not found -
This new version: 1.0.01
Do you want to continue ?
Yes
No

Note :
If there was a version installed before, you will see the version number displayed at “Existing version:”.

Click `<Yes>` to continue.

(4) System is checking for administrator rights.
No action required.

(5) If ADC QS application is running, it will be closed.
No action required.

(6) New PPD files will be copied from the floppy to the system
No action required.

(7) At the end, the application is starting up again if it was running before. When it was not running when starting the installation of the ppd-files, it is not starting up.

(8) ADC QS PPD Set Updater window appears :

Click <OK> to confirm

Note :

The amount of files transferred depends on how many ppd files are copied over from the floppy to the system. This will grow when more printers (more ppd files) are added to the floppy.

1.2 Adding printer to ADC QS

Note that any new printer has to be added to the CPF-file via CCM tool before you start the following procedure

Stop the application and start Configuration Viewer only

(9) Select
`<Start>`
`<Agfa>`
`<Adcqs>`
`<Configuration>`

(10) The `Configuration Viewer` login appears.
Press `<OK>` to login
(no user name or password required)
The `Configuration Viewer` starts up.

(11) Insert the floppy disk with the cpf-file *adc.cpf*

(12) Select
`<File>`
`<Import CPF ...>`

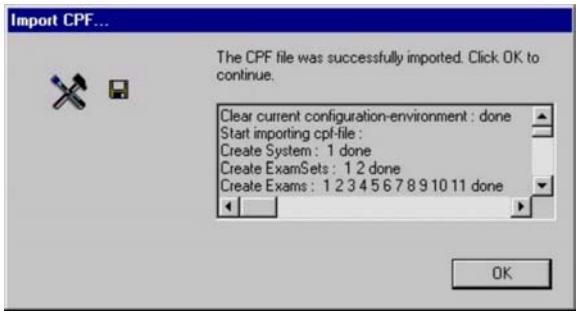
(13) The `Import` window appears.

Select floppy drive

Select cpf-file to be imported.

(14) Click `<Open>` button to start import.

(15) `Import CPF ...` window appears.


Import CPF...
The CPF file was successfully imported. Click OK to continue.
Clear current configuration-environment : done
Start importing cpf-file :
Create System : 1 done
Create ExamSets : 1 2 done
Create Exams : 1 2 3 4 5 6 7 8 9 10 11 done
OK

CPF-file is imported. This may take some time depending on the size of the CPF-file.

(16) When finished the `Printer Configurator` window appears.

The printers displayed in the list are known to the application now, but still have to be configured in the NT environment.

Write down the name of the printer (case sensitive) to be installed as it will be needed further on in this procedure (step (25)).

(17) Select a printer from the list and click `<Install>`

(You can only install one printer at a time).

(18) Welcome screen appears.

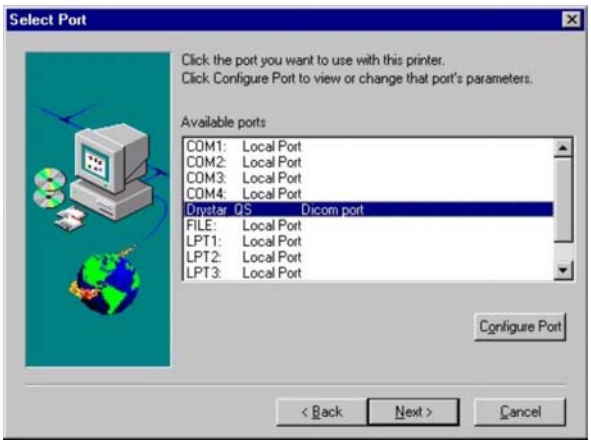
Click `<Next>`

(19) Click `<ACCEPT>` for license agreement.

(20) `Printer Connection Type` screen appears.

Select “It is directly connected to your computer (Local Printer)” and click `<Next>`

(21) `Local Port Selection` window appears.



Select the DICOM port for your printer and click `<Next>`

(The proper port contains the destination name of the printer like in CPF-file and the term Dicom Port.)

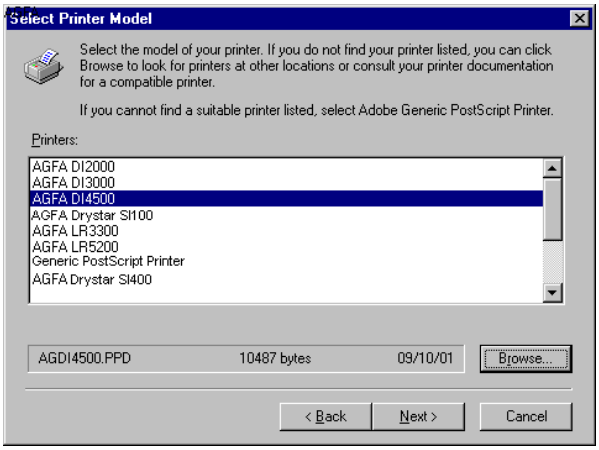
(22) `Select Printer Model` window appears

Click `<Browse>`

Select directory `E:\Agfa\CompasServer\Printer Setup\ppd` and select your printer type from the list.

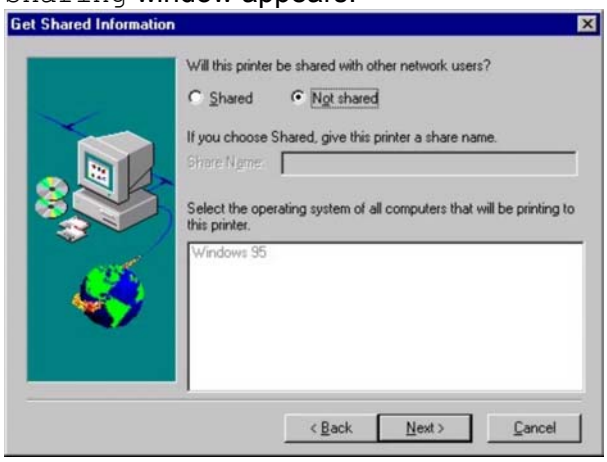
Click `<OK>`

(23) `Select Printer Model` window appears again


Select Printer Model
Select the model of your printer. If you do not find your printer listed, you can click Browse to look for printers at other locations or consult your printer documentation for a compatible printer.
If you cannot find a suitable printer listed, select Adobe Generic PostScript Printer.
Printers:
AGFA DI2000
AGFA DI3000
AGFA DI4500
AGFA Drystar SI100
AGFA LR3300
AGFA LR5200
Generic PostScript Printer
AGFA Drystar SI400
AGDI4500.PPD
10487 bytes
09/10/01
Browse...
< Back
Next >
Cancel

Click `<Next>`

(24) `Sharing` window appears.


Get Shared Information
Will this printer be shared with other network users?
Shared
Not shared
If you choose Shared, give this printer a share name.
Share Name:
Select the operating system of all computers that will be printing to this printer.
Windows 95
< Back
Next >
Cancel

The selection depends on whether you want to print from the ADC QS Server only, or if a client station should also be able to use the printer.

If the printer should also be available from the client, select `<Shared>` and enter a name for the shared printer.

Click `<Next>`

(25) `Printer Information` window appears.

Delete the printer name in the field and enter the destination name of the printer noted down before.

If it is the second printer, you can select it as default printer.
Select `<No>` for “Would you like to print the testpage”
and click `<Next>`

(26) `Setup Information` window appears.

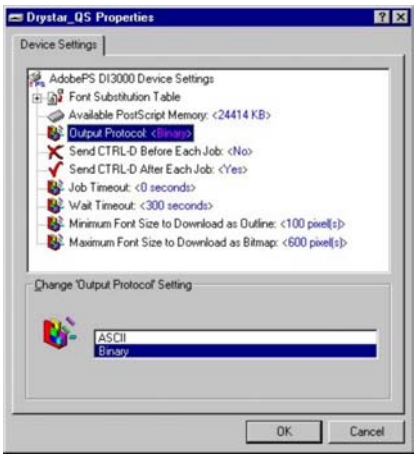
Check if everything is OK and click `<Install>`

(27) If the “Read only file detected” dialog appears, click `<Yes>`

(28) `Printer Configuration` window appears

Select `<Yes>` on “Would you like to configure your printer now?”
and click `<Next>`

(29) The `Device Settings` window appears.



Select `<Output Protocol>` and set it to `<Binary>`

Click `<OK>`

(30) `Setup complete` window appears.

Uncheck “Yes I want to read the ReadMe file” and click `<Finish>`

(31) The `ConfigView` window asks you to print a testpage. Click `<No>`

(32) Repeat steps (16) to (31) for all printers in the list.

(33) Click `<Cancel>` when finished and `<OK>` on `ConfigView` info window

(34) Click `<OK>` on “Importing CPF-file window”

(35) Reset ADC QS application

1.3 Troubleshooting

If the **printer configuration failed** for whatever reason go on that way:

- Check that printer queue is really empty
- Remove the printer from the cpf-file
- Stop ADC QS
- Start only `ConfigViewer`
- Import cpf-file
- Remove the printer from NT-Printer settings, if it is still there
- Add the printer again to the cpf-file and import the cpf-file again
- Start printer configuration again and follow exactly the instructions!

2 Adding Medical Printers to ADC QS Client Station

Printers which should be available for printing on the client station must have the status "shared" for network access on the server station.

The server station must be up and running.

(1) Stop the ADC QS application

(2) Click on NT Start button

(3) Select
`Settings`
`Printers`

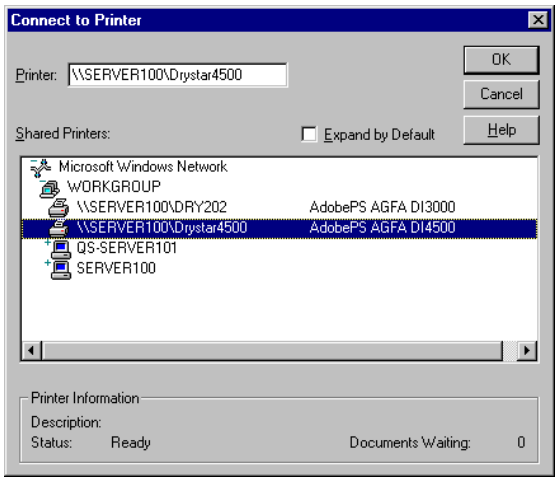
(4) Double click `Add Printer`

(5) Add Printer wizard starts

Select `Network printer server`

and click `<Next>`

(6) `Connect to Printer` window appears



Browse (double click) and locate the printer

Click `<OK>`

(7) Select `<No>` on question “Do you want your windows based programs to use this printer as the default printer?” (appears only from 2nd printer on)

Click `<Next>`

(8) Click `<Finish>`

3 Supported printers

Printers	Corresponding ppd-files
AGFA DI2000	**AGDI2000.ppd**
AGFA DI3000	**AGDI3000.ppd**
AGFA DI4500	**AGDI4500.ppd**
Agfa Drystar SI100	**AGSI1001.ppd**
Agfa Drystar SI400	**AGSI4001.ppd**
AGFA LR3300	**AGLR3300.ppd**
AGFA LR5200	**AGLR5200.ppd**
KODAK IM8100	**KDIM8100.ppd**
KODAK IM8300	**KDIM8300.ppd**
KODAK IM8500	**KDIM8500.ppd**
KODAK IM8600	**KDIM8600.ppd**
KODAK IM8700	**KDIM8700.ppd**
KODAK KELP2180/KELP1120	**KDLP2180.ppd**

The printers **Agfa Drystar SI100** and **Agfa Drystar SI400** can be installed as normal DICOM printers and it is not necessary to install them as PS printers. **Before** upgrading to version 2.0.08 you have to delete them as PS printers and install them after the upgrade with the correct ppd-file as DICOM printers.

1 ADC QS : Tips & Tricks for ADC QS 2.0.08

1.1 Installation

- **Printers on a client** system should be installed through the NT 'Add printer' wizard. 'Synchronize printers' is not available in the ConfigViewer on client systems.
- The ADC QS application must be **stopped** before **installing printers**.
- The **Adobe wizard** has to be stopped after each printer installation (i.e. on the server).
- The printer setting should be set to **spool the print job** before print.
- The **Agfa Drystar SI100** and **Agfa Drystar SI400** can be installed as normal DICOM printers. Before upgrading you have to delete them as PS printers and install them after upgrading with the correct ppd-file as DICOM printers.
- If a **printer configuration failed** for whatever reason go on that way:
  - Check that printer queue is really empty
  - Remove the printer from the cpf-file
  - Stop ADC QS
  - Start only Configuration Viewer
  - Import cpf-file
  - Remove the printer from NT-Printer settings, if it is still there
  - Add the printer again to the cpf-file and import the cpf-file again
  - Start printer configuration again and follow exactly the instructions!
- Layouts like 10INx12IN on DI4500 are called **New Vips layouts** or **no-MG3 layouts**. These layouts can be generated only if the cpf-file supports them. The table PS in the cpf-file needs to be changed : set **all_film_format_printing = 'Y'** for each ADC-QS server which has to support the New Vips layouts. This cpf must be installed on the PRID (12.09) which converts the exam related film layout.
- Cassette related hardcopy layouts are still supported as long as PRID is used to identify cassettes.
- The full ADC QS application should be started to make th **backup** task work.
- The display setting should be set to TRUE COLOR to make the **gateway** work properly.
- The **Regional Settings Properties** should be checked, that the decimal symbol is a point and the digit grouping symbol is a comma. Other settings cause problems by viewing with IMPAX.
- When **licenses** are gone during normal operation, select the option 'Restore Licenses' in the Startup->Agfa->ADC-QS->Tools menu.
  When new licenses are added or removed after delivery from production, make a backup of the licenses by selecting the option 'Backup Licenses' in the Startup->Agfa->ADC-QS->Tools menu.

- If **backup task** from task manager is executed it may take up to 10 minutes. Time depends on the number of images. The system gives no feedback if backup task is running. You can check the progress at NT Explorer directory J:\BackupCompas; as long as the file size is growing the backup is running.

1.2 Task Manager

General

- Some tasks allow freely editing and deleting of its parameters. If these parameters are removed (by a wrong user operation), it is very hard to find back the correct parameter names. Therefore we recommend **not to edit the task parameters at all**. The default parameters are the tested ones and guarantee a proper working of the system!

If you are faced to a problem where a change of the settings may be necessary please **first contact an expert** (GSC).
If settings are already changed and the system does not run proper, please contact an expert (GSC).

- If status of a task in ADC QS task manager is ACTIVE_EXECUTING and the “Deactivate” button is used, the task status is changed to INACTIVE_EXECUTING. This is an invalid status and it is not possible to make this task running again. Prevention: Never use “Deactivate” button while task status is ACTIVE_EXECUTING.

- The Configuration Viewer task manager does not update the status of a task when it changes. The only way to verify if a task is still running is in the NT-task scheduler.

- A task only works when server is running. Editing a task while the server is not running gives an error which can not be bypassed. In order to be sure that the server is running reset ADC QS Software, also if a problem occurs reset the ADC QS Software.

QC Phantom task

- The task manager lists QC Phantom task as ACTIVE, but this task is INACTIVE. This task is not implemented and can not be edited.

1.3 Troubleshooting

- **Locked File Problem after upgrade from Web Admin**
  If during an installation you receive the error message 'An error occurred during the data move process - 115', then a program file is currently locked by the system and can't be replaced. To rectify this, stop the following services from the Control Panel::Services applet:
  Spooler
  World Wide Web Publishing Service
  Now retry the installation. It should now work as the program files are in the unlocked state.

- **Permissions Problem:**
  At present, you should have **local machine Administrator** privileges to install ADC-QS. This means you must install under ***Administrator*** account or the ***compas*** account must be a member of Administrators group. The compas account is added to Administrators group during the Server installation.
  Without Administrator privileges may experience the locked files problem described above. Also you won't be able to set up any local printers on the system.

- **Missing Configuration:**
  If for some reason the configuration settings are missing, you can run the ***Restore*** task to recover them (assuming you did back a backup originally). From the configuration viewer – select **Restore** from the list, click <Modify>, ensure field 'OnlyRestoreConfig' is set to 1 (one). Click <OK>. Click now on <Activate> if the task is INACTIVE, then click <Execute>.

  The settings are restored. Click on desktop button 'Reset ADC-QS' to activate the restored settings.

- **Images Not Visible:**
  If for some reason the images are not visible, you can run the ***Restore*** task to recover them (assuming you did back a backup originally). From the configuration viewer – select **Restore** from the list, click <Modify>, ensure field 'OnlyRestoreConfig' is set to 0 (zero). Click <OK>. Click now on <Activate> if the task is INACTIVE, then click <Execute>. The settings and data are restored. Click on desktop button 'Reset ADC-QS' to activate the restored settings.

- **Printing Problems from Client**
  In case of printing problems from client check:
  - Printer has to be installed as a NT network printer on the client station. Print server has to be the ADC QS server.
  - Check `System monitoring`
    `Network`
    `Protocols`
    Here you must find 'TCP/IP-Protocol' and 'NetBEUI Protocol'.

- **Wrong window level values**
  Window level values are wrong if the "Regional Settings Properties" are incorrect. Check that that the `Decimal symbol` is a point
  and the `Digit grouping symbol` is a comma at the tab "Number".

- **"Layout" and "TextBox" Editor at "Tools" menu**
  The "Layout" and "TextBox" Editor are now to find at the "Tools" menu in the main menu bar.

- **Uninstaller setup failed to initialize**
  During installation the message "Uninstaller setup failed to initialize. You may not be able to uninstall this product." pops up. This prevents the "Uninstall" button from being created in the Add/Remove Programs applet and the application normally cannot be uninstalled.
  This occurs because the Uninst.isu file in the install target folder (that is the location where you are installing to) has become corrupt. To remedy this, you need to delete all files in the install target folder, and try again

1 Integrating ADC-QS into an Existing NT Domain

By default the systems delivered by AGFA are set up to operate in an unmanaged 'peer to peer' network pool called 'WORKGROUP'. This name 'WORKGROUP' is the same for all language versions of ADC-QS.

Further to this the ADC-QS Server and Client machines are set up with 2 local machine accounts:

Account	Password
administrator	(empty)
compas	compas98

Both these accounts are members of 'Administrator' group on the local machine. By default ADC-QS runs under the 'compas' account. The advantage of running ADC-QS as part of 'WORKGROUP' is that the administration tasks are much reduced – the downside to this is that there is almost no security in place.

In many hospital environments ADC-QS will be used as part of a secure NT domain. To add new ADC-QS systems to the domain will require assistance from the local NT Domain Administrator (who has the passwords and authority required). Follow the sequence below to add an ADC-QS Server or Client into a domain:

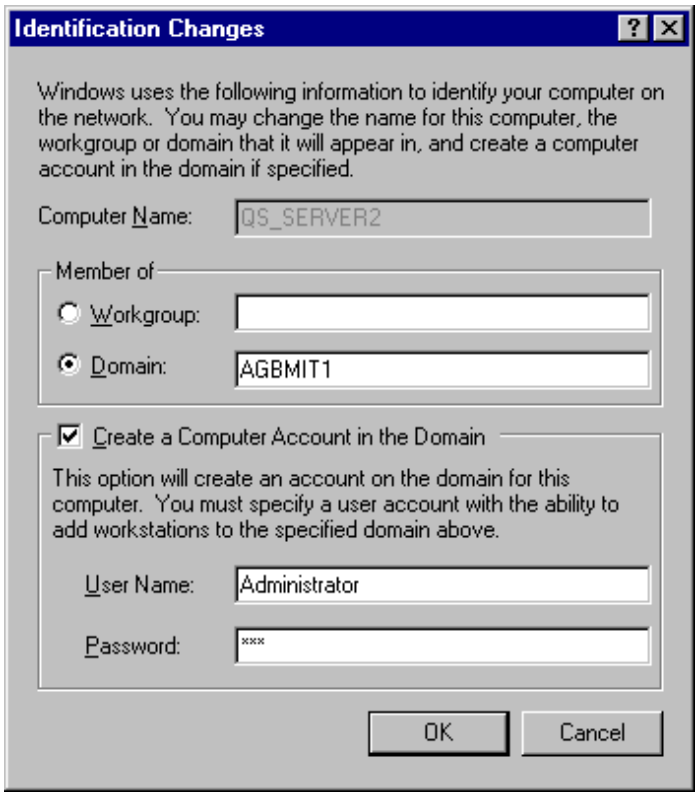
1.1 ADC QS System Name

Change the system name to the new name assigned by the domain administrator – Start Menu::Settings::Control Panel::Network::Identification, click on button 'Change', enter the new name, click <OK> . Click <OK> on confirmation dialog, click <Close> on the network control panel, dialog '… You must shut down and restart your computer… Restart now', click <Yes>. The system restarts.

Changing the computer name results automatically also in a change of the host name (standard NT behavior).
This change of name also has to be written in manually in the cpf-file, otherwise the gateway will not start.

1.2 Add ADC-QS System to Domain

Log back in as local system *Administrator* (blank password). Hold down the shift key to defeat any auto-login. Once logged in, stop any ADC-QS auto-start (Server only). From Start Menu::Settings::Control Panel::Network::Identification, click on button 'Change', click on radio button 'Domain', enter the domain name. Select checkbox 'Create Computer Account in the Domain', enter the **Domain Administrator** name and password. Click <OK>.

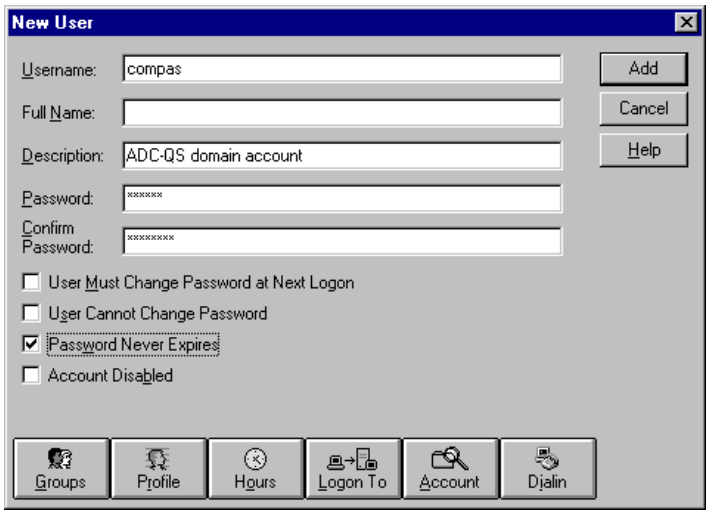

Identification Changes
Windows uses the following information to identify your computer on the network. You may change the name for this computer, the workgroup or domain that it will appear in, and create a computer account in the domain if specified.
Computer Name:
QS_SERVER2
Member of
Workgroup:
Domain:
AGBMIT1
Create a Computer Account in the Domain
This option will create an account on the domain for this computer. You must specify a user account with the ability to add workstations to the specified domain above.
User Name:
Administrator
Password:
***
OK
Cancel

Upon success the message 'Welcome to <Domain Name>' will popup. Click <OK>, then <Close>, dialog '… You must shut down and restart your computer… Restart now', click <Yes>. The system restarts.

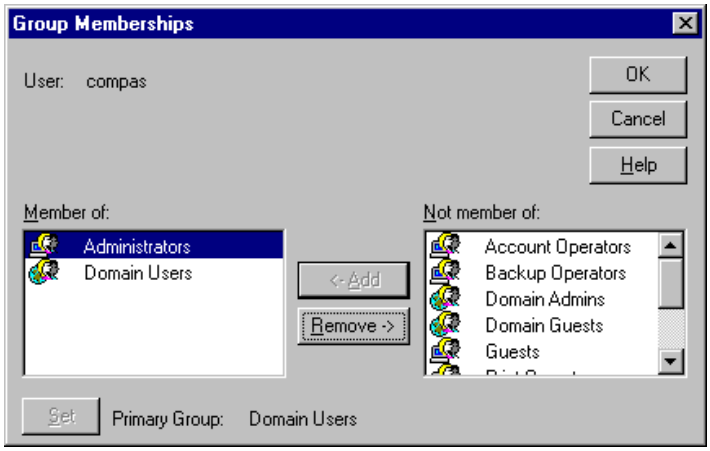
1.3 Add Compas Account to Domain

Note: The compas account only needs to be added one time to the domain. If this step has already been completed, skip ahead now to **1.4**.

Logon as **domain administrator** in the new domain. Select Start Menu::Programs::Administrative Tools (Common)::User Manager for Domains.
Select menu entry 'User::New User' and add the compas details as shown below (the password is ***compas98*** as usual). Note especially the checkbox settings.



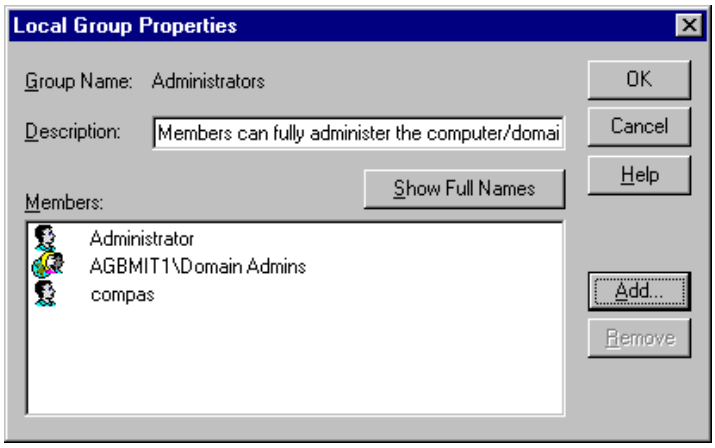
Select now the 'Groups' button. The following dialog is displayed:



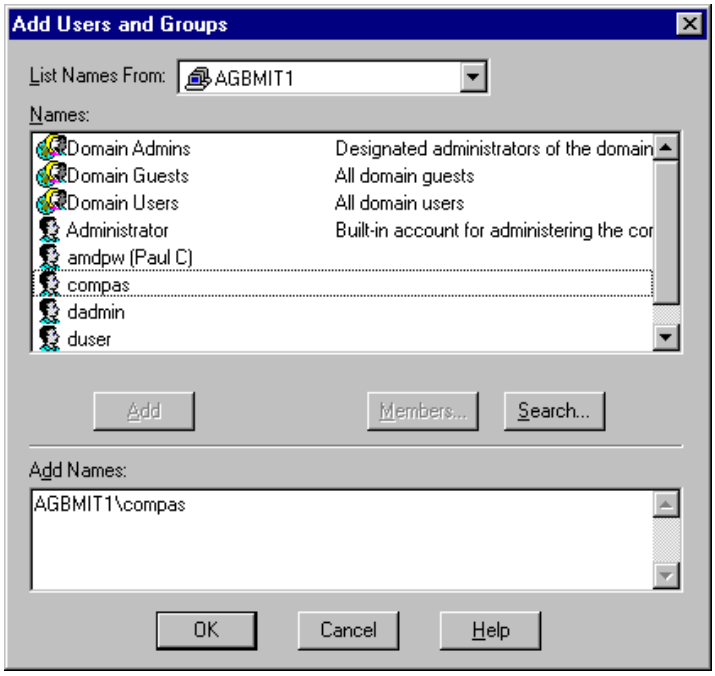
Ensure ***compas*** is member of 'Administrators' and 'Domain Users' (select from the list on the right). Click <OK>., then <OK> again back in the 'New User' dialog. The ***compas*** user then shows up in the 'Username' list. Close the User Manager (Alt-F4, or menu User::Exit). Log off now as **domain administrator** (Start Menu::Shut Down::Close all programs and log on as a different user).

1.4 Adding Domain User to Local System

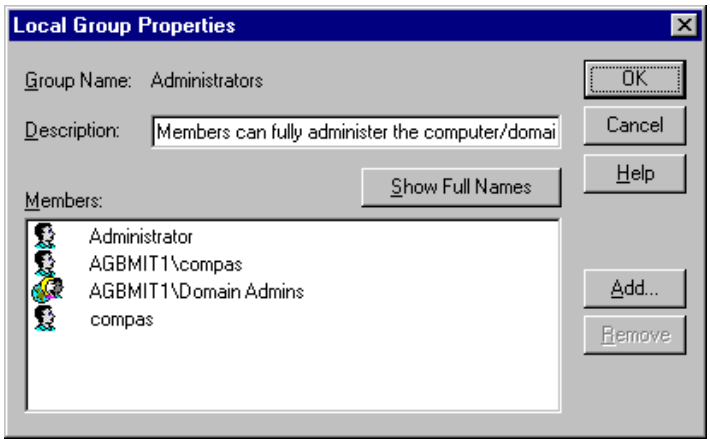
Log back in as local system *Administrator* (**not domain logon !**). Start again the 'User Manager for Domains', double click on 'Groups->Administrators' in the list at the bottom half of the screen.



Click now on 'Add', select ***compas*** from the Names list of the domain, click on <Add>, the domain compas account is added to the Add Names list:



Click then on <OK> to close this dialog. The ***domain name**compas*** account will show up in the Local Group Properties::Members list:



Click then on <OK> to close this dialog. Close the User Manager (Alt-F4, or menu User::Exit).

1.5 Logging onto the Domain

Log-off from the local system ('Start Menu::Shut down::Close all programs and log-on as different user') ,then re-logon **using the domain account** as shown below:

Once logged in, ADC-QS is now available for use.

Notes:

a) The auto-login and auto-shutdown feature of ADC-QS Server is still working under domain log-in. To bypass the auto-login, hold down the *Shift* key during the login phase.

b) The domain administrator will normally carry out sections **1.3** and **1.4** for you. In this way you do not have to make a request for the domain administrator account and passwords.

c) Procedures for setting up printers and other devices from the ADC-QS Server remain the same under domain login.

Order-No.: DD+DIS277.01E

1 Piece UTMOY MA1

ADC QS 2.0.xx
Type 4406 / 421

Software Installation Instructions for ADC QS 2.0.09

Upgrade from ADC QS 1.0.01 / 1.0.05 / 1.0.06 to ADC QS 2.0.09

This modification instruction is also enclosed to the modification kit EB+44060007.

Necessary time:

Approximately 45 minutes for Server Station

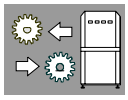
Approximately 45 minutes for Client Station

If you have already Software Version ADC QS 2.0.08 installed, do not carry out this procedure.

For upgrading from ADC QS 2.0.08 to ADC QS 2.0.09 use the patch "patch209.exe" available on DigiNet / MedNet.

printed in Germany 01 / 2002

AGFA



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1 General Information

Before starting the software installation read the appended Tips & Tricks.

1.1 Important Remarks

AGFA cannot guarantuee for proper working of the ADC QS Software if any other 3rd party software is running on the same computer.

If there is another Software (e.g. virus checking software) than the ADC QS Software components on the system, make sure that no other application is running during upgrade, installation or configuration of the ADC QS System!

1.2 Preparing the Upgrade to ADC QS 2.0.09

Adaptation of WIN NT Operating System to the local language

If you want to adapt the WIN NT Operating System language to the local language, you first have to apply the “Language Update Version 1.03” or higher. Please note, this is not a part of this package but is included in the upgrade kit “ADC_QS Upgrade 1.0.01 to 1.0.06” (Order Number: EB+44060723).

1.3 What is new in ADC QS 2.0.08 / ADC QS 2.0.09?

- The reliability of the system increased considerably
- Up to three clients can be connected to one server
- Local languages available (English, French, Dutch, Spanish, German, Portuguese, Swedish)
- New supported printers (see appendix)
- Quick print stability is increased

1.4 Changes from ADC QS 2.0.08 to ADC QS 2.0.09

- The problem that patient position is not derived correctly if the SUB EXAM name contains the view position, e.g. AP, PA, LAT, is solved.

1.5 Software Prerequisites

ADC Compact Digitizer:	≥ COP_1215,
ADC Solo Digitizer:	≥ SOL_1108,
PRID (Preview & Identification SW):	≥ PRID1.2.09

1.6 Scope of Delivery Software Kit ADC QS 2.0.09

(Order Number EB+44060007)
1 x ADC QS 2.0.09 Application CD
1 x ADC Service Pack 6.0 with Security Update CD version 1.05
1 x ADC Restore Toolkit 2.4 CD
1 x ADC QS PRINTER_PPD floppy disk
1 x ADC QS 2.0.09 Upgrade Documentation (DD+DIS275.01E)
3 x CD blank, 74 min. with label

1.7 Required Time for the Upgrade

- approx. 45 min. for the Server Station
- approx. 45 min. for the Client Station

2 Upgrade Procedure for ADC QS Server Station

2.1.1 Preparations

2.1.2 Toolbar Configuration

(1) Note down your toolbar configurations. They will be lost after the upgrade procedure

2.1.3 Empty Printer Queues

(2) Check that the printer queues of all your printers in the NT print spooler are empty.

(3) In case you have the printer AGFA Drystar SI100 and/or AGFA Drystar SI400 installed as PS printers, delete these printers!

2.1.4 Create site specific backup

(4) Start ADC QS Server Station and click <OK> to login

Make sure the ADC QS application is running.

(5) Make a backup
Select in the Start menu
AGFA
ADC QS
Configuration

(6) Stop the Gateway

(7) Select Monitoring
Task Management
Backup

(8) Click on <Modify>

Before making the backup, check the correct path of the backup directory and change, if necessary: **J:\BackupCompas**

If you had to change the directory, reboot ADC QS application and repeat steps (4) to (7).

(9) Click <Execute> to make a backup
This lasts about 10 min. (depends on the number of data)

Do not interrupt the backup! You can check the progress at the NT Explorer directory J:\BackupCompas by a growing file size.

In the ADC QS Task Manager the status of the backup task is not refreshed automatically. To refresh the status leave Task Manager and start it again.

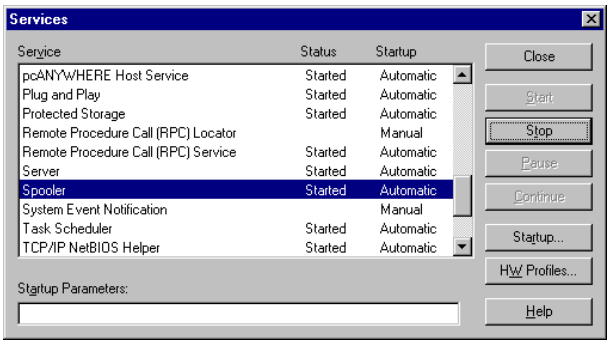
ADC QS
Server

(10) Stop ADC QS

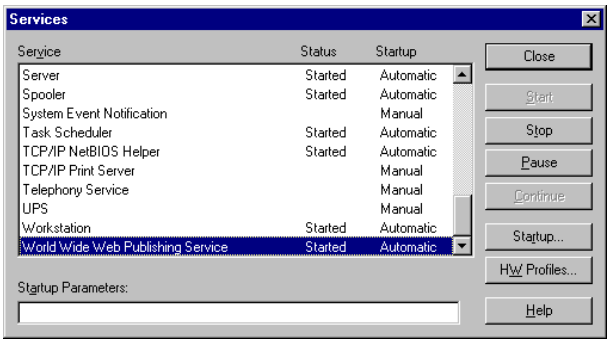
2.1.5 Stop “Spooler” and “World Wide Web Publishing” Services

(11) Stop NT-Service “Spooler”:

Select
`Control Panel`
`Services`
`Spooler`
and click `<Stop>`.



(12) Stop NT-Service “World Wide Web Publishing Service”:
Select
`Control Panel`
`Services`
`World Wide Web Publishing Service`
and click `<Stop>`.



2.1.6 Creating Restore CD of current Installation

See point 2.4.5 Creating the Restore CD

ADC QS

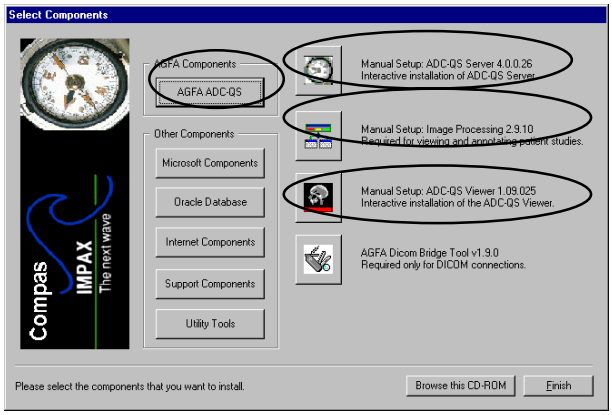
Server

2.2 Installation of Application

2.2.1 Installation of ADC QS Server Components

(1) Insert CD ROM with ADC QS Application Software

(2) Autostart starts the `Install Launcher`



(3) Select in `AGFA Components: <AGFA ADC QS>`

(4) Select
`<Manual Setup ADC QS Server>`

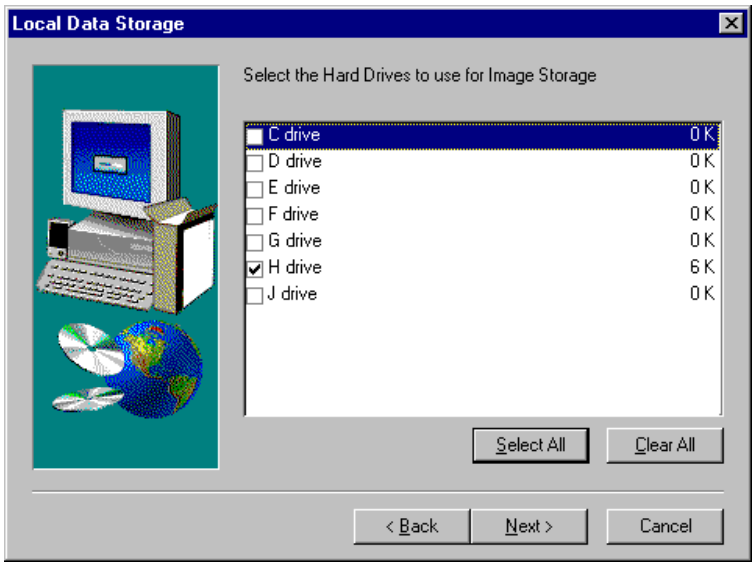
(5) Please read the `Software License Agreement` and click `<Yes>`, if you agree.

(6) Select the default path of `E:\Agfa\CompasServer` and click `<Next>`.

(7) Select the default path for `Server(Complete)` and click `<Next>`.

(8) Select the default folder `Agfa\ADC-QS` and click `<Next>`.

(9) Accept defaults (`H Drive`), or select to match required disk layout and click `<Next>`.



ADC QS

Server

If additional hard disks are installed, it might be necessary to change the drive letter. Do always assign the drive letter of the image disk.

(10) Review information and click <Next> to accept, or <Back> to change any setting.
Copying starts, at end dialog Setup Complete appears.

(11) If you are asked to restart the computer, select No, I will restart later

(12) Click <Finish>.
The Install Launcher window appears again

2.2.2 Installation of ADC QS Image Processing Components

(13) Select in AGFA Components: <AGFA ADC QS>

(14) Select
<Manual Setup Image Processing>

(15) Click <Next> on Welcome window

(16) Select default <Customer Installation> and click <Next>

(17) Check that E:\Agfa\Improc\ApnCre is set, using the <Browse> button and click <Next>

(18) If the popup The folder.... does not exist. Do you want it created? appears, click <Yes>.
Files are copied, then the Dialog Setup Complete appears

(19) Click <Finish>.
The Install Launcher window appears again

2.2.3 Installation of ADC QS Viewer Component

(20) Select in AGFA Components: <AGFA ADC QS>

(21) Select
<Manual Setup ADC QS Viewer>

(22) Click <Next> on Welcome window

(23) Please read the Software License Agreement and click <Yes>, if you agree

(24) Select default Typical and click <Next>

(25) Select the default path of E:\Agfa\ADC-QS\Viewer and click <Next>

(26) Select the default folder Agfa\ADC-QS and click <Next>

(27) Review information and click <Next> to accept, or <Back> to change any setting.
Files are copied

(28) Click <Finish> to complete Setup
The Install Launcher window appears

ADC QS

Server

(29) Click <Finish> and reboot system at end

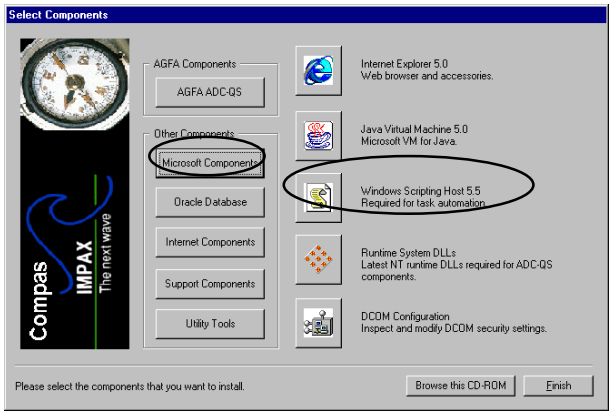
2.2.4 Updating Windows Scripting Host to version 5.5

(30) Stop ADC QS application

(31) Start up `Install Launcher` again (either by ejecting and re-inserting the CD or selecting setup.exe from the root directory)

(32) Select `Microsoft Components`

(33) Select Windows Scripting Host 5.5



(34) Click <Yes> in `Windows Script Version 5.5` window

(35) Click <Yes> on License Agreement

Files are copied.

(36) Confirm window `Windows Script Version 5.5`

(37) On question `Restart Computer` click `<No>`

(38) Finish the `Install Launcher` and eject ADC QS application CD

2.3 Additional NT Operating System Upgrades

2.3.1 Activating Posting Acceptor 1.01

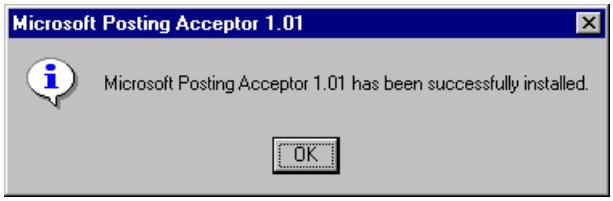
(39) Locate in NT Explorer the file `pak210-x86.exe` (filename may be abbreviated `pak210~1.exe`) in folder `C:\winnt\system32\setup`

(40) Execute `pak210-x86.exe`

(41) Dialog `MS Posting Acceptor 1.01` appears

Confirm License Agreement with `<Yes>`

(42)



Confirm window `Microsoft Posting Acceptor 1.01` with `<OK>`

ADC QS

Server

(43)

Microsoft Posting Acceptor 1.01
You must restart your computer before the new settings will take effect.
Do you want to restart your computer now?
Yes
No

Click <No> on question Restart the computer.

2.3.2 Service Pack 6a Installation

(44) Insert “Security Update CD version 1.05” (or higher)

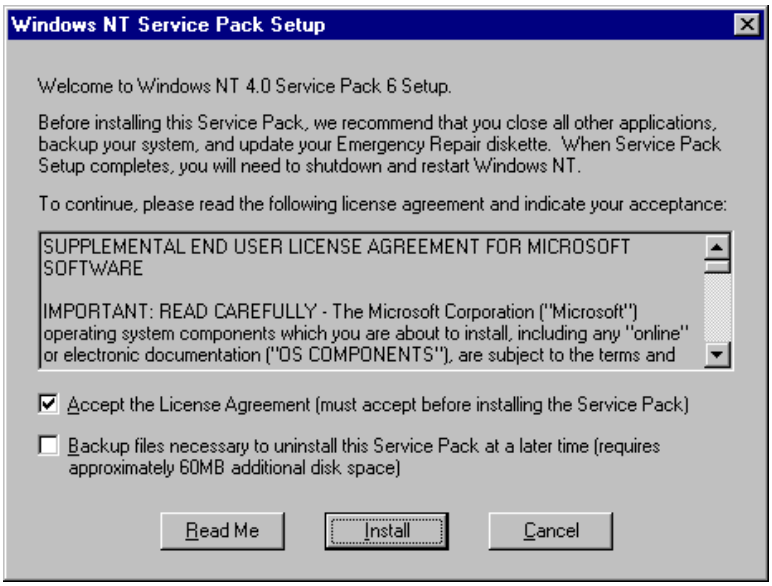
(45) Stop ADC-QS. Disconnect the network cable from the server PC.

(46) Locate via NT Explorer the file 'sp6i386.exe' on the Security Update CD. As the service Pack is language dependant you have to select the file from the language folder your NT OS is installed with.

(47) Execute file 'sp6i386.exe' by double-clicking

Files are extracted.

(48) Window Windows NT Service Pack Setup appears.
Check Accept License Agreement...,
Uncheck Backup files necessary to uninstall..., click on <Install>.


Windows NT Service Pack Setup
Welcome to Windows NT 4.0 Service Pack 6 Setup.
Before installing this Service Pack, we recommend that you close all other applications, backup your system, and update your Emergency Repair diskette. When Service Pack Setup completes, you will need to shutdown and restart Windows NT.
To continue, please read the following license agreement and indicate your acceptance:
SUPPLEMENTAL END USER LICENSE AGREEMENT FOR MICROSOFT SOFTWARE
IMPORTANT: READ CAREFULLY - The Microsoft Corporation ("Microsoft") operating system components which you are about to install, including any "online" or electronic documentation ("OS COMPONENTS"), are subject to the terms and
Accept the License Agreement (must accept before installing the Service Pack)
Backup files necessary to uninstall this Service Pack at a later time (requires approximately 60MB additional disk space)
Read Me
Install
Cancel

(49) Files are copied. At end click button to restart the system.

ADC QS

Server

2.3.3 Security Update with “Security Rollup” Package

(50) Stop the ADC-QS application and disconnect the Network cable.

(51) Insert “Security rollup toolkit CD version 1.05” (or higher), if not done already

(52) Locate via NT Explorer the file `'CodeRedCleanup.exe'` on the Security Update CD.

(53) Copy it to the `c:\temp` folder

(54) Execute the file `c:\temp\CodeRedCleanup.exe` from a DOS command prompt.

(55) Locate in NT Explorer the Security Rollup Package (SRP) `'q299444.exe'`. The SRP is located in the relevant language folder of the ADC-QS Security Update CD (as xxxq299444.exe, where xxx is the language name prefix).

(56) Execute the SRP, then restart the system as suggested. The SRP will prevent the worm from re-infecting the system.

(57) Reconnect the network cable to the system and remove “Security rollup toolkit CD” from CD-ROM drive.

2.4 Finishing the Installation

2.4.1 Check Printer Properties

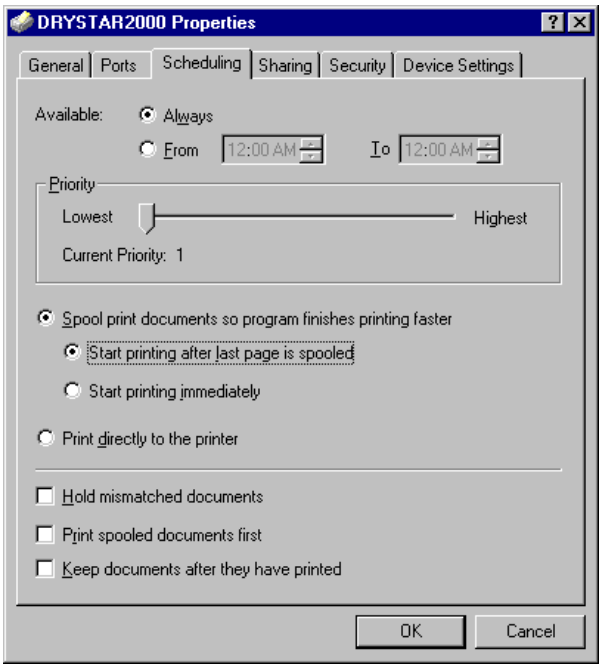
Check the following settings for every installed printer:

(1) Select
`Start`
`  Settings`
`    Printers`

(2) Move the mouse cursor to a printer and click right mouse button

(3) Select
`Properties`
`  Scheduling`

(4) Set “Start printing after last page is spooled”



(5) Click `<OK>`

2.4.2 Set Regional Settings Properties (Activating Local Language for Application)

(6) Check and change local language if necessary.

(7) Select
`Control Panel`
`  Regional Settings Properties`
`    tab Regional Settings`

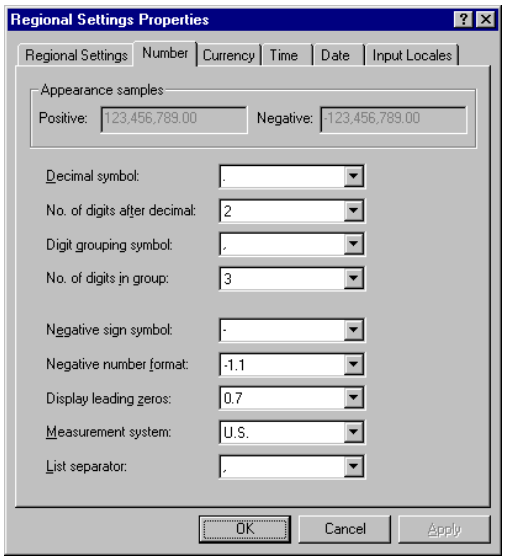
Possible languages are: English, French, Dutch, Spanish, German, Portuguese, Swedish

ADC QS

Server

(8) Select
`Control Panel`
`Regional Settings Properties`
tab `Number`

(9) Check that the `<Decimal symbol>` is a point and the `<Digit grouping symbol>` is a comma.



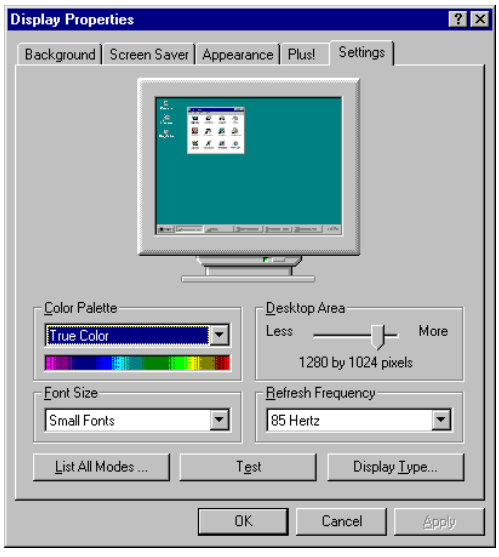
2.4.3 Check Display Settings

(10) Select
`Start`
`Settings`
`Control Panel`

(11) Select
`Display`
`Settings`

(12) Select tab `Settings`

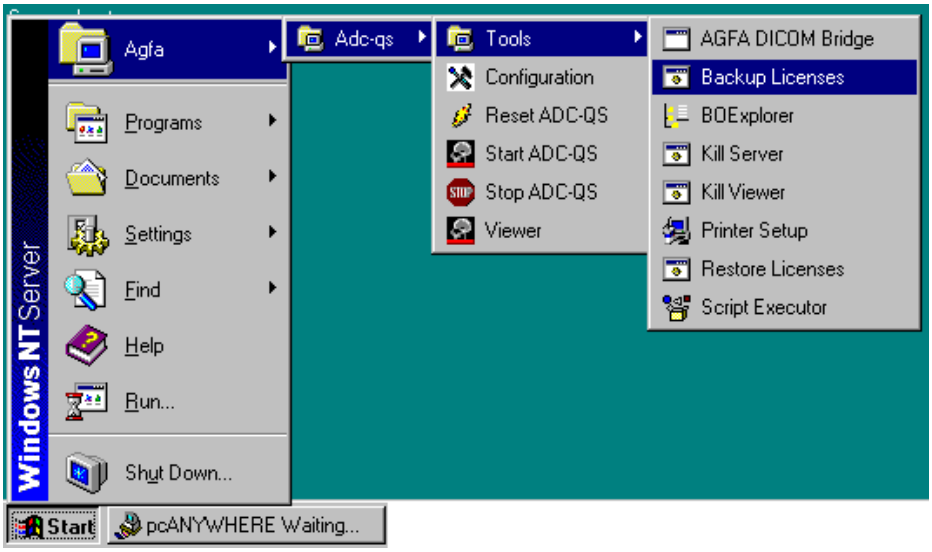
(13) Set color palette to `True Color`



2.4.4 Backup licenses of ADC QS Server

(14) Select

```
Start
 Agfa
  Adcqs
   Tools
    Backup Licenses
```



A backup is created.

2.4.5 Creating the Restore CD

2.4.5.1 General

To create on site a bootable Restore CD-ROM makes it possible to restore the server system at a later date back to the same identical state as it was by creation of the CD. Please pay attention to the following points:

- The CD must only be used on the PC where it was created!
- A Restore CD covers only an image of the first hard disk (partition C, E and F), the second hard disk is not saved.
- It is not possible at the moment to create a Restore CD for the Client Station.
- During the process the CD tray can open and close automatically; this is then part of the procedure.

2.4.5.2 Requirements

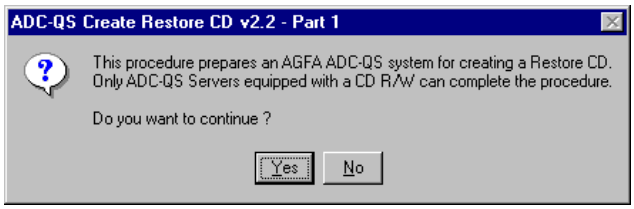
- CD-ROM ADC-QS Restore Toolkit CD
- Blank or rewriteable CD

2.4.5.3 Procedure

(15) Insert the ADC QS Restore Toolkit CD in the CD-ROM drive.

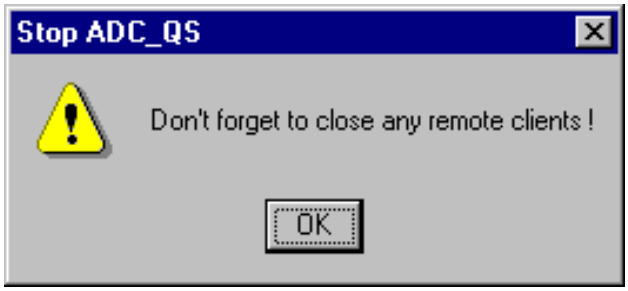
The CD starts automatically. If it does not start automatically, open file <Make_cd.bat> of the CD.

(16) <Create Restore CD> window appears.


ADC-QS Create Restore CD v2.2 - Part 1
This procedure prepares an AGFA ADC-QS system for creating a Restore CD.
Only ADC-QS Servers equipped with a CD R/W can complete the procedure.
Do you want to continue ?
Yes
No

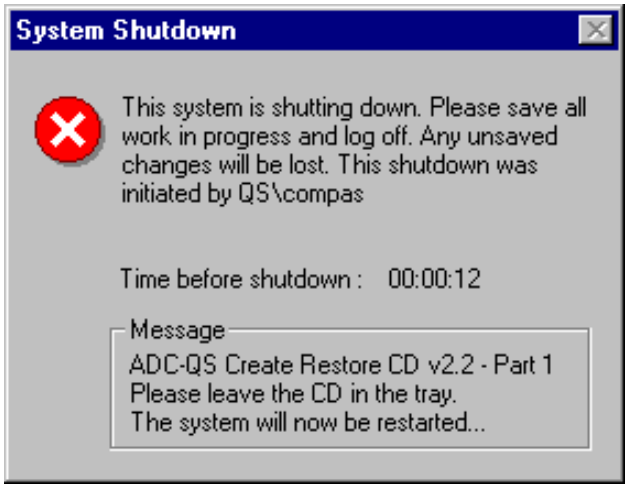
Click <Yes>

(17) Warning to close any existing ADC QS sessions appears.

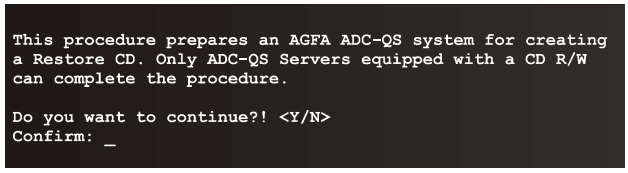


Click <OK>

(18) System shuts down.


System Shutdown
This system is shutting down. Please save all work in progress and log off. Any unsaved changes will be lost. This shutdown was initiated by QS\compas
Time before shutdown : 00:00:12
Message
ADC-QS Create Restore CD v2.2 - Part 1
Please leave the CD in the tray.
The system will now be restarted...

(19) Wait until DOS window appears


This procedure prepares an AGFA ADC-QS system for creating a Restore CD. Only ADC-QS Servers equipped with a CD R/W can complete the procedure.
Do you want to continue?! <Y/N>
Confirm: _

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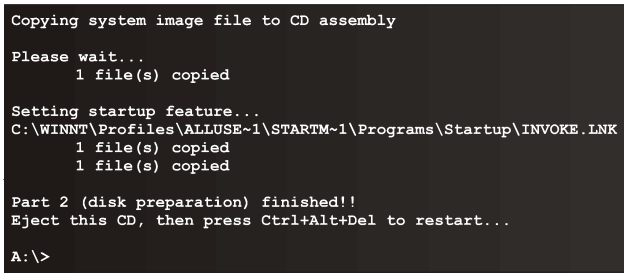
Type in <Y> or wait until it is inserted automatically after a few seconds (Y corresponds to an American keyboard !)

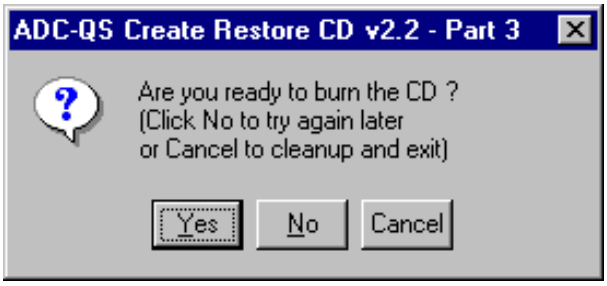
(20) Symantec Ghost program starts automatically and creates a system image of hard disk 1

(21) Wait until DOS window appears



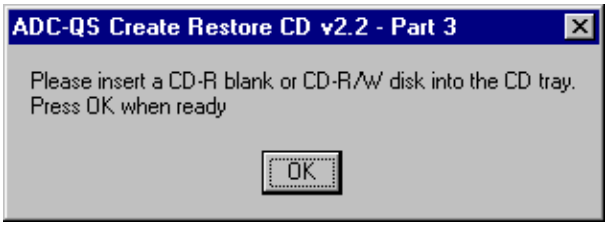
Eject the ADC QS Restore Toolkit CD and press <Ctrl+Alt+Del> to restart the system

(22) Wait until the scanning for CD Writer is finished and the selection window appears


ADC-QS Create Restore CD v2.2 - Part 3
Are you ready to burn the CD ?
(Click No to try again later
or Cancel to cleanup and exit)
Yes
No
Cancel

Click <Yes>

(23) Insert CD-R window appears.



Insert blank CD and click <OK>

(24) Various windows show progress.

(25) Eject the recorded CD and write

- "ADC-QS Server Restore CD"
- Date of creation
- Software version
- Creator of the CD

on it.

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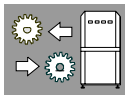


2.4.5.4 Testing the recorded Restore CD

(26) Insert the Restore CD and restart the system

(27) DOS selection window appears

```
+-----------------------------------------------+
!      AGFA ADC-QS Restore Server Utility       !
+-----------------------------------------------+


Press <1> to restore ADC-QS Server Disk1.
Press <2> to restore ADC-QS Server Disk2.

or <q> to quit (no action).

Select: _
```

Type in <q>
(For testing it is not necessary to carry out a restore procedure)

If the window does not appear, first check the boot sequence in the BIOS before creating a new Restore CD.

3 Upgrade Procedure for ADC QS Client Station

Make sure that the ADC QS application on the server is running.

If it is not running the installation will not succeed!

3.1 Preparations

3.1.1 Toolbar Configuration

(1) Note down your toolbar configurations. They will be lost after the upgrade procedure

3.1.2 Empty Printer Queues

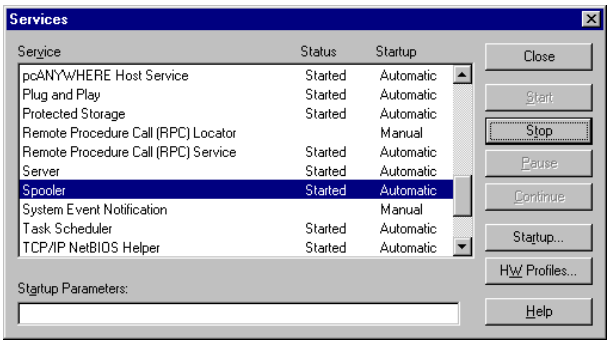
(2) Check that the printer queues of all your printers in the NT print spooler are empty.

(3) In case you have the printer AGFA Drystar SI100 and/or AGFA Drystar SI400 installed as PS printers, delete these printers!

3.1.3 Stop “Spooler” Services

(4) Stop NT-Service “Spooler”:

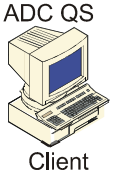
Select
`Control Panel`
`Services`
`Spooler`
and click `<Stop>`.



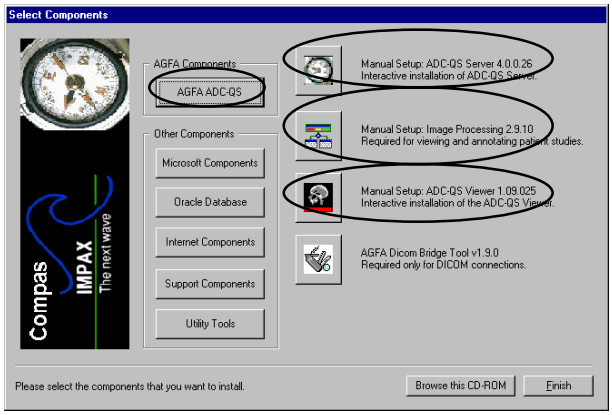
3.2 Installation of Application

(5) Stop ADC QS on the Client Station

(6) Insert CD-ROM with ADC QS Application Software.



(7) Autostart starts `setup.exe` on CD-ROM.
The `Install Launcher` starts



3.2.1 Installation of ADC QS Server Components

(8) Select in `AGFA Components: <AGFA ADC QS>`

(9) Please read the `Software License Agreement` and click `<Yes>`, if you agree

(10) Select `<Manual Setup ADC QS Server>`

(11) Select the default path of `E:\Agfa\CompasServer` and click `<Next>`

(12) Select `<Client>`

(13) Select the default folder `<Agfa\ADC-QS>` *and* click `<Next>`

(14) Enter the IP-address of the server and click `<Next>`
Check if IP-address of ADC QS server is correct.

(15) Review information and click `<Next>` to accept, or `<Back>` to change any setting.
Files are copied.

(16) Click `<Finish>` to complete Setup.
The `Install Launcher` window appears.

3.2.2 Installation of ADC QS Image Processing Components

(17) Select in `AGFA Components: <AGFA ADC QS>`

(18) Select `<Manual Setup Image Processing>` and click `<Next>`

(19) Select default `<Customer Installation>` and click `<Next>`

(20) Select `E:\Agfa\Improc\ApnCre` using the `<Browse>` button, and click `<Next>`

(21) If the popup `The folder.... does not exist. Do you want it created?` appears, click `<Yes>` and `<Next>`.
Files are copied, then the Dialog `Setup Complete` appears

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Client

(22) Click `<Finish>`
The `Install Launcher` window appears.

3.2.3 Installation of ADC QS Viewer Components

(23) Select in `AGFA Components: <AGFA ADC QS>`

(24) Select `Manual Setup ADC QS Viewer and` click `<Next>`

(25) Please read the `'Software License Agreement'` and click `<Yes>`, if you agree

(26) Select default `'Typical'` and click `<Next>`

(27) Select the default path of `E:\Agfa\ADC-QS\Viewer` and click `<Next>`

(28) Accept default `Agfa\ADC-QS`, click `<Next>`

(29) Review information and click `<Next>` to accept or `<Back>` to change any setting.
Files are copied.

(30) Click `<Finish>` to complete Setup

(31) Click `<Finish>` again and reboot system at end

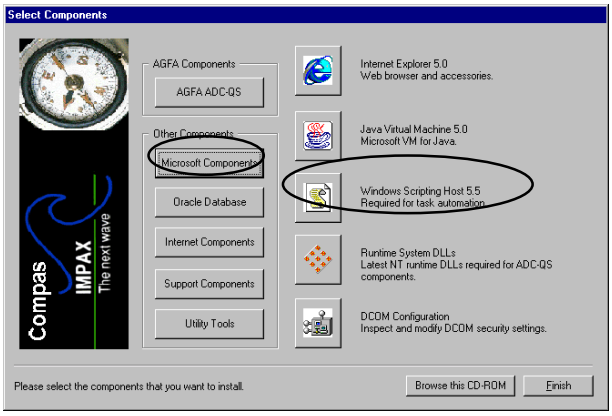
3.2.4 Updating Windows Scripting Host to version 5.5

(28) Stop ADC QS application

(29) Start up `Install Launcher` again (either by ejecting and re-inserting the CD or selecting setup.exe from the root directory)

(30) Select `Microsoft Components`

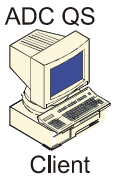
(31) Select Windows Scripting Host 5.5

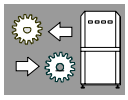


(32) Click <Yes> in `Windows Script Version 5.5` window

(33) Click <Yes> on License Agreement

Files are copied.





3.3 Additional NT Operating System Upgrade

3.3.1 Service Pack 6a Installation

(34) Insert “Security Update CD version 1.05” (or higher)

(32) Stop ADC-QS. Disconnect the network cable from the client PC.

(33) Locate via NT Explorer the file `'sp6i386.exe'` on the Security Update CD. As the service Pack is language dependant you have to select the file from the language folder your NT OS is installed with.

(34) Execute file `'sp6i386.exe' by double-clicking`

Files are extracted.

(35) Window `Windows NT Service Pack Setup` appears.
Check `Accept License Agreement...`,
Uncheck `Backup files necessary to uninstall...`, click on `<Install>`.

(36) Files are copied. At end click button to restart the system.

3.3.2 Security Update with “Security Roll-up” Package

(37) Stop the ADC-QS application

(38) Insert “Security Update CD version 1.05” (or higher), if not done already

(39) Locate via NT Explorer the file `'CodeRedCleaner.exe'` on the Security Update CD.

(40) Copy it to the `c:\temp` folder

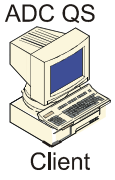
(41) Execute the file `c:\temp\CodeRedCleaner.exe` from a DOS command prompt.

Note that the execution of this step in Client results in an error since one of the components being cleaned does not exist. The error message can be ignored.

(42) Locate in NT Explorer the Security Rollup Package (SRP) `'q299444.exe'`. The SRP is located in the relevant language folder of the ADC-QS Security Update CD (as xxxq299444.exe, where xxx is the language name prefix).

(43) Execute the SRP, then restart the system as suggested. The SRP will prevent the worm from re-infecting the system.

(44) Reconnect the network cable to the system and remove “Security Update CD” from CD-ROM drive



3.4 Finishing the Installation

3.4.1 Set Regional Settings Properties (Activating Local Language for Application)

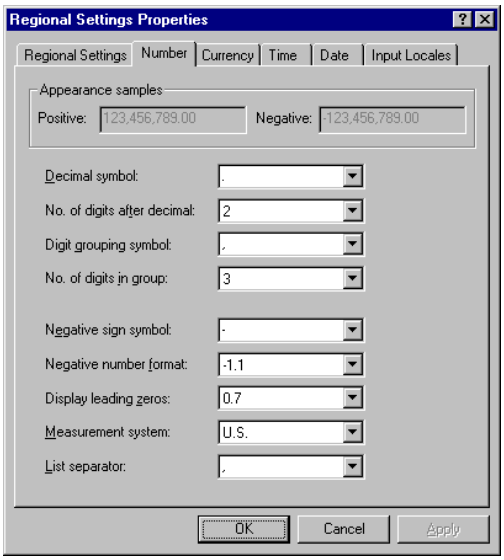
(1) Check and change local language if necessary.

(2) Select
`Control Panel`
`Regional Settings Properties`
tab `Regional Settings`

Possible languages are: English, French, Dutch, Spanish, German, Portuguese, Swedish

(3) Select
`Control Panel`
`Regional Settings Properties`
tab `Number`

(4) Check that the `<Decimal symbol>` is a point and the `<Digit grouping symbol>` is a comma.



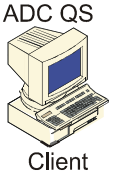
3.4.2 Check Display Settings

(5) Select
`Start`
`Settings`
`Control Panel`

(6) Select
`Display`
`Settings`

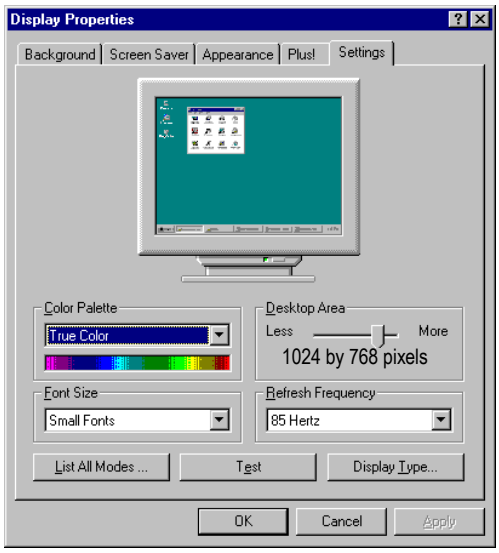
(7) Select tab `Settings`

ADC QS



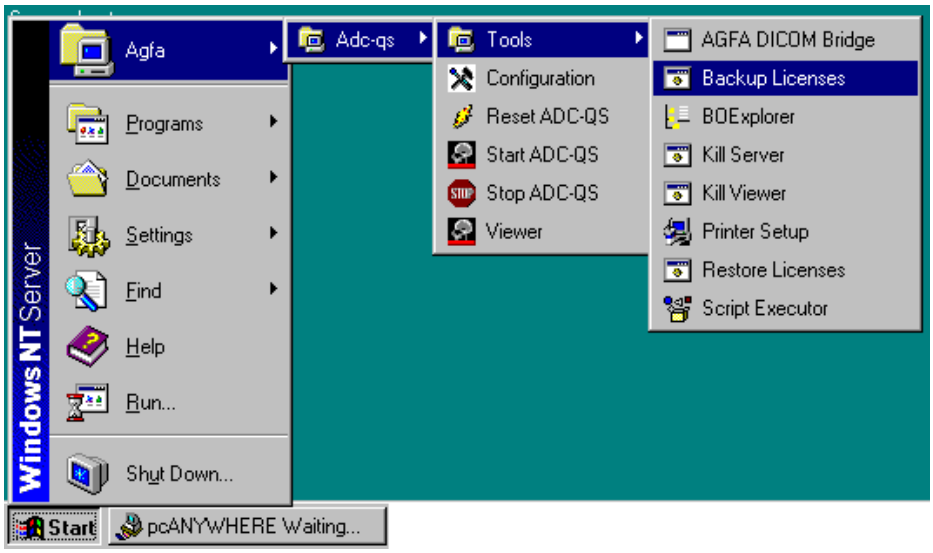
Client

(8) Set color palette to `True Color`

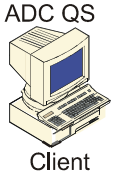


3.4.3 Backup licenses of ADC QS Client

(9) Select
`Start`
`Agfa`
`Adcqs`
`Tools`
`Backup Licenses`



A backup is created.



4 Changes from ADC QS 2.0.08 to ADC QS 2.0.09

The following problem is solved:

If the SUB EXAM name contains the view position, e.g. AP, PA, LAT; this patient position is not derived correctly.

As a result, the system does not use the Image Processing parameters as configured in the cpf-file, but a default setting that puts Edge Contrast, Latitude Reduction and Noise Reduction to 0 and MUSI Contrast to 5.

5 Open Issues (ADC QS 2.0.09)

Birth date field is empty
When birth date field is not entered in PRID then the field remains empty in ADC QS (no default date is put in).

Study info in selector only shows info about first image of study
When the user selects a record in the list view pane and goes to study info via the tools menu, only the info about the first image is visible. It is not possible to access the info for the other images.

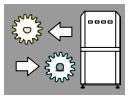
Print Composer printing
When printing from Print Composer no “Done” status for printing is shown in List View Pane.

Tasks interrupting by “Deactivate” button may hang up tasks
When status of a task in ADC QS task manager is ACTIVE_EXECUTING and the “Deactivate” button is used, the task status is changed to INACTIVE_EXECUTING. This is an invalid status and it is not possible to make this task running again. Prevention: Never use “Deactivate” button while task status is ACTIVE_EXECUTING.

ACCESS_VIOLATION error
If an image is deleted on one of the QC viewers the thumbnail of a deleted image remains and an ACCESS_VIOLATION error occurs. To get rid of this thumbnail refresh by using the “F5” key or closing ADC QC viewer and opening again.

Textbox field is not updated automatically
If the default Print Textbox is used, it does not show examination name on the hardcopy. In the default textbox the correct field `ICRProcedureStepDescription` has been changed to `IProcedureDescription`, which is an empty field in the BOExplorer. The consequence is that instead of the correct data there is now an empty space when you apply the default Print Textbox. Workaround: If the default Print Textbox is used, the field `IProcedureDescription` must be changed manually to `ICRProcedureStepDescription`.

Windows application not able to close while ADC QS is running
When ADC QS is running on a server and you open a window application e.g. the control panel to change date / time, you can not close the application anymore. It stays open as long as the ADC QS is running. By stopping the ADC QS the application is also closed and the changed settings are stored.



Task manager shows QC Phantom task to be ACTIVE
The QC Phantom task can be ignored. It is not available in ADC QS 2.0.08.

Refreshing task manager status
Changed status of the task manager screen is not refreshed automatically. Workaround: To see the actual status, leave the task manager and open it again.

Basic QC viewer sometimes not auto refreshed
Basic QC viewer is sometimes not refreshed automatically. Workaround: Use “F5” key to refresh screen.

Text field entries are reset to default
Demographic data to be displayed under images and thumbnails are reset to default after leaving the application.

Slightly slow display on Client
Display of images and other actions are slightly slower on ADC QS Client PC than on Server.

Difficult identification of print jobs in NT Spooler queue
In the NT Print Spooler it is difficult to identify a print job. If the print job is created by “autoprinting” the patient name is used as print job name; if it is created by interactive printing (Quick Print, Print Composer) only the layout number is visible.

Exporting of GUI
Part of the Graphical User Interface (GUI) cannot be copied and exported to other servers and clients (e.g. toolbar configuration).

Toolbar configuration
Toolbar configuration is lost after the upgrade procedure. The toolbar configuration is not stored per user.

Magnification value on hardcopy
“Magnification value” should not be used, because the value is incorrect. It is not possible to show the correct scaling factor of an image on a hardcopy at the moment.

Burn function
Inversion from black to white does not work proper all the time. Lost energy regions are indicated as black, not black and white (white is inverted, black is not inverted).

Cut off ruler on hardcopy
It is possible to print a ruler on a hardcopy, but if it is printed in true size and this size is larger than the printable area, the ruler will be cut off.

Correction of demographic data
It is not possible to correct demographic data in Basic QC viewer.

Image quality bad
Image quality after transmitting a manually window leveled image to Impax can be bad on Impax version 3.5 in some cases.

Transmission to Impax fail
Manual transmission to Impax fails if started from the dialog box that states that a transmission is ongoing. The status of the transmission is not set to "done" so the user can see that it was not successful and retry.

Film media type can not be changed
The film media type is always blue base, in case a change is needed contact GSC.

Images of one studies are put into two different folders
This problem may occur in the following occasions:

- A study of two or more images is created on PRID. There is a delay of the entering the cassettes in the digitizer which is greater than the IN_PROGRESS timeout.
- A study with more than two images on the PRID is created. The first image arrives at the QC viewer and it is rejected by the user. The second images which arrives on the QC viewer is then put into a different folder then the first one. The third and all later images coming in are again put into the first folder, but never appear on QC viewer! You have to change to IPD to view all of the images.

1 Adding Medical Printers to ADC QS Server Station

1.1 Installing ppd-files from floppy

(1) Insert the floppy disk “ADC QS PRINTER_PPD”

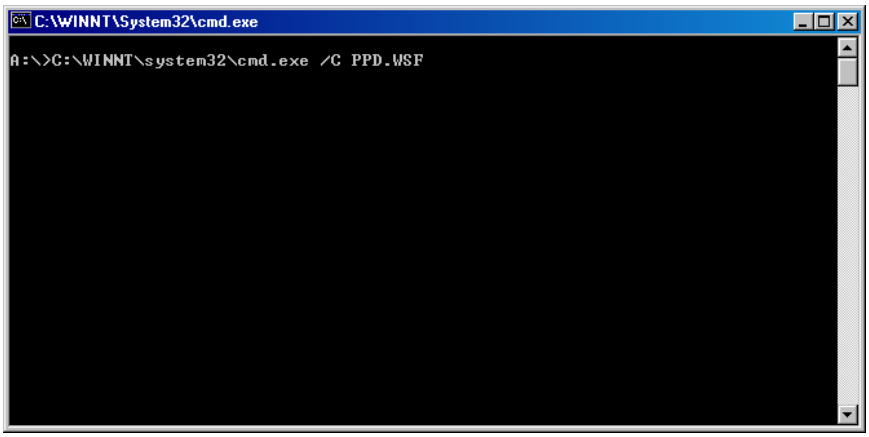
(2) Select

`<Start>`

`<Run>`

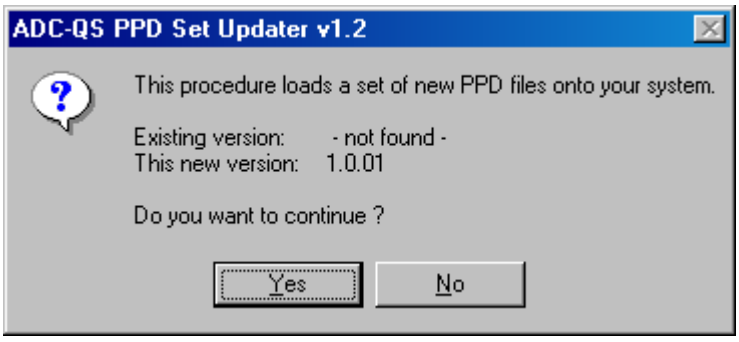
Type: `a:\setup.bat`

DOS windows opens:



No action required.

(3) The ADC QS PPD Set Updater window appears :


ADC-QS PPD Set Updater v1.2
This procedure loads a set of new PPD files onto your system.
Existing version: - not found -
This new version: 1.0.01
Do you want to continue ?
Yes
No

Note :
If there was a version installed before, you will see the version number displayed at “Existing version:”.

Click `<Yes>` to continue.

(4) System is checking for administrator rights.
No action required.

(5) If ADC QS application is running, it will be closed.
No action required.

(6) New PPD files will be copied from the floppy to the system
No action required.

(7) At the end, the application is starting up again if it was running before. When it was not running when starting the installation of the ppd-files, it is not starting up.

(8) ADC QS PPD Set Updater window appears :

Click <OK> to confirm

Note :

The amount of files transferred depends on how many ppd files are copied over from the floppy to the system. This will grow when more printers (more ppd files) are added to the floppy.

1.2 Adding printer to ADC QS

Note that any new printer has to be added to the CPF-file via CCM tool before you start the following procedure

Stop the application and start Configuration Viewer only

(9) Select

`<Start>`
`<Agfa>`
`<Adcqs>`
`<Configuration>`

(10) The `Configuration Viewer` login appears.

Press `<OK>` to login

(no user name or password required)

The `Configuration Viewer` starts up.

(11) Insert the floppy disk with the cpf-file *adc.cpf*

(12) Select

`<File>`
`<Import CPF ...>`

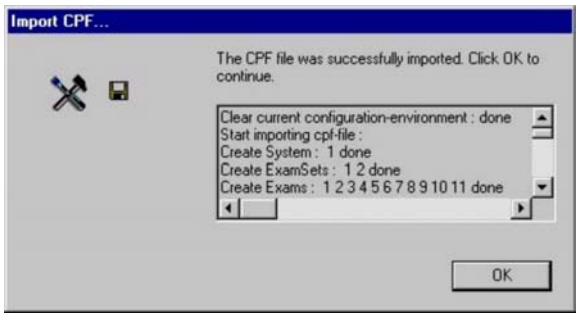
(13) The `Import` window appears.

Select floppy drive

Select cpf-file to be imported.

(14) Click `<Open>` button to start import.

(15) `Import CPF ...` window appears.


Import CPF...
The CPF file was successfully imported. Click OK to continue.
Clear current configuration-environment : done
Start importing cpf-file :
Create System : 1 done
Create ExamSets : 1 2 done
Create Exams : 1 2 3 4 5 6 7 8 9 10 11 done
OK

CPF-file is imported. This may take some time depending on the size of the CPF-file.

(16) When finished the `Printer Configurator` window appears.

The printers displayed in the list are known to the application now, but still have to be configured in the NT environment.

Write down the name of the printer (case sensitive) to be installed as it will be needed further on in this procedure (step (25)).

(17) Select a printer from the list and click `<Install>`

(You can only install one printer at a time).

(18) Welcome screen appears.

Click `<Next>`

(19) Click `<ACCEPT>` for license agreement.

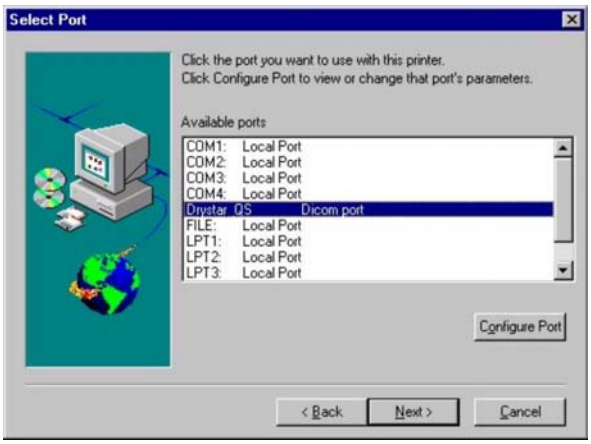
(20) `Printer Connection Type` screen appears.

Select “It is directly connected to your computer (Local Printer)” and click `<Next>`

ADC QS

Server

(21) `Local Port Selection` window appears.



Select the DICOM port for your printer and click `<Next>`

(The proper port contains the destination name of the printer like in CPF-file and the term Dicom Port.)

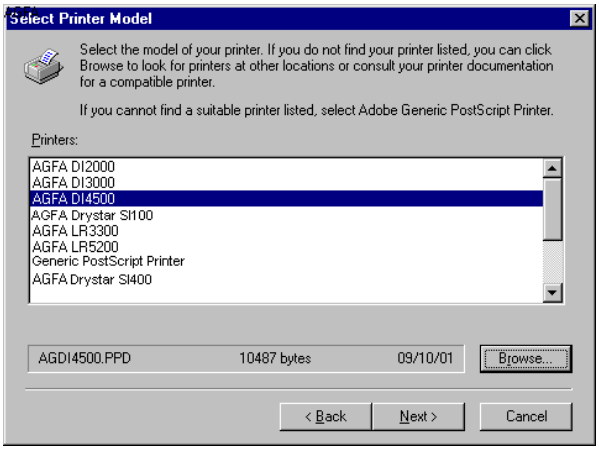
(22) `Select Printer Model` window appears

Click `<Browse>`

Select directory `E:\Agfa\CompasServer\Printer Setup\ppd` and select your printer type from the list.

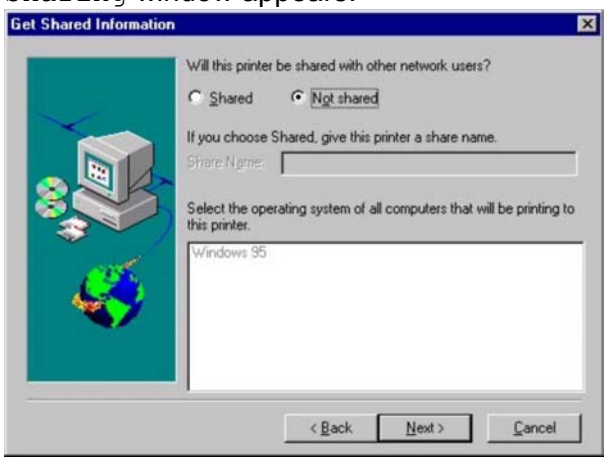
Click `<OK>`

(23) `Select Printer Model` window appears again


Select Printer Model
Select the model of your printer. If you do not find your printer listed, you can click Browse to look for printers at other locations or consult your printer documentation for a compatible printer.
If you cannot find a suitable printer listed, select Adobe Generic PostScript Printer.
Printers:
AGFA DI2000
AGFA DI3000
AGFA DI4500
AGFA Drystar SI100
AGFA LR3300
AGFA LR5200
Generic PostScript Printer
AGFA Drystar SI400
AGDI4500.PPD
10487 bytes
09/10/01
Browse...
< Back
Next >
Cancel

Click `<Next>`

(24) `Sharing` window appears.


Get Shared Information
Will this printer be shared with other network users?
Shared
Not shared
If you choose Shared, give this printer a share name.
Share Name:
Select the operating system of all computers that will be printing to this printer.
Windows 95
< Back
Next >
Cancel

The selection depends on whether you want to print from the ADC QS Server only, or if a client station should also be able to use the printer.

If the printer should also be available from the client, select `<Shared>` and enter a name for the shared printer.

Click `<Next>`

(25) `Printer Information` window appears.

Delete the printer name in the field and enter the destination name of the printer noted down before.

If it is the second printer, you can select it as default printer.
Select `<No>` for “Would you like to print the testpage”
and click `<Next>`

(26) `Setup Information` window appears.

Check if everything is OK and click `<Install>`

(27) If the “Read only file detected” dialog appears, click `<Yes>`

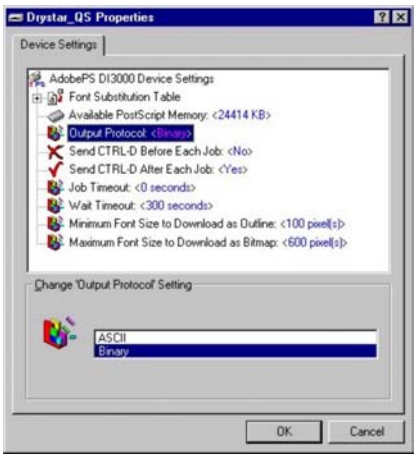
(28) `Printer Configuration` window appears

Select `<Yes>` on “Would you like to configure your printer now?”
and click `<Next>`

ADC QS

Server

(29) The `Device Settings` window appears.



Select `<Output Protocol>` and set it to `<Binary>`

Click `<OK>`

(30) `Setup complete` window appears.

Uncheck “Yes I want to read the ReadMe file” and click `<Finish>`

(31) The `ConfigView` window asks you to print a testpage. Click `<No>`

(32) Repeat steps (16) to (31) for all printers in the list.

(33) Click `<Cancel>` when finished and `<OK>` on `ConfigView` info window

(34) Click `<OK>` on “Importing CPF-file window”

(35) Reset ADC QS application

1.3 Troubleshooting

If the **printer configuration failed** for whatever reason go on that way:

- Check that printer queue is really empty
- Remove the printer from the cpf-file
- Stop ADC QS
- Start only `ConfigViewer`
- Import cpf-file
- Remove the printer from NT-Printer settings, if it is still there
- Add the printer again to the cpf-file and import the cpf-file again
- Start printer configuration again and follow exactly the instructions!

2 Adding Medical Printers to ADC QS Client Station

Printers which should be available for printing on the client station must have the status "shared" for network access on the server station.

The server station must be up and running.

(1) Stop the ADC QS application

(2) Click on NT Start button

(3) Select
`Settings`
`Printers`

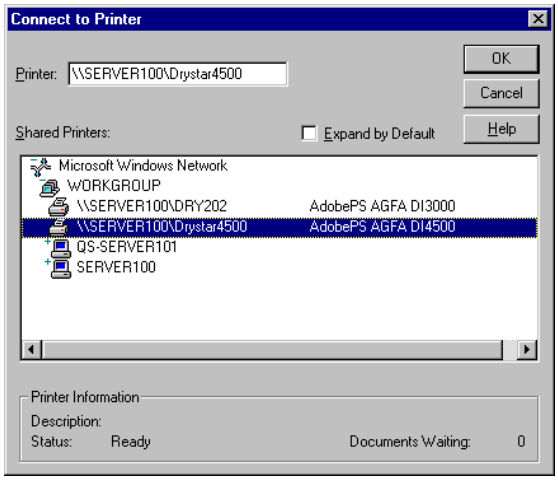
(4) Double click `Add Printer`

(5) Add Printer wizard starts

Select `Network printer server`

and click `<Next>`

(6) `Connect to Printer` window appears



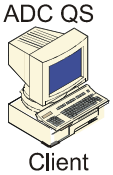
Browse (double click) and locate the printer

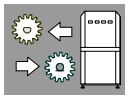
Click `<OK>`

(7) Select `<No>` on question “Do you want your windows based programs to use this printer as the default printer?” (appears only from 2nd printer on)

Click `<Next>`

(8) Click `<Finish>`





3 Supported printers

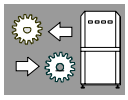
Printers	Corresponding ppd-files
AGFA DI2000	**AGDI2000.ppd**
AGFA DI3000	**AGDI3000.ppd**
AGFA DI4500	**AGDI4500.ppd**
Agfa Drystar SI100	**AGSI1001.ppd**
Agfa Drystar SI400	**AGSI4001.ppd**
AGFA LR3300	**AGLR3300.ppd**
AGFA LR5200	**AGLR5200.ppd**
KODAK IM8100	**KDIM8100.ppd**
KODAK IM8300	**KDIM8300.ppd**
KODAK IM8500	**KDIM8500.ppd**
KODAK IM8600	**KDIM8600.ppd**
KODAK IM8700	**KDIM8700.ppd**
KODAK KELP2180/KELP1120	**KDLP2180.ppd**

The printers **Agfa Drystar SI100** and **Agfa Drystar SI400** can be installed as normal DICOM printers and it is not necessary to install them as PS printers. **Before** upgrading to version 2.0.08 you have to delete them as PS printers and install them after the upgrade with the correct ppd-file as DICOM printers.

1 ADC QS : Tips & Tricks for ADC QS 2.0.09

1.1 Installation

- **Printers on a client** system should be installed through the NT 'Add printer' wizard. 'Synchronize printers' is not available in the ConfigViewer on client systems.
- The ADC QS application must be **stopped** before **installing printers**.
- The **Adobe wizard** has to be stopped after each printer installation (i.e. on the server).
- The printer setting should be set to **spool the print job** before print.
- The **Agfa Drystar SI100** and **Agfa Drystar SI400** can be installed as normal DICOM printers. Before upgrading you have to delete them as PS printers and install them after upgrading with the correct ppd-file as DICOM printers.
- If a **printer configuration failed** for whatever reason go on that way:
  - Check that printer queue is really empty
  - Remove the printer from the cpf-file
  - Stop ADC QS
  - Start only Configuration Viewer
  - Import cpf-file
  - Remove the printer from NT-Printer settings, if it is still there
  - Add the printer again to the cpf-file and import the cpf-file again
  - Start printer configuration again and follow exactly the instructions!
- Layouts like 10INx12IN on DI4500 are called **New Vips layouts** or **no-MG3 layouts**. These layouts can be generated only if the cpf-file supports them. The table PS in the cpf-file needs to be changed : set **all_film_format_printing = 'Y'** for each ADC-QS server which has to support the New Vips layouts. This cpf must be installed on the PRID (12.09) which converts the exam related film layout.
- Cassette related hardcopy layouts are still supported as long as PRID is used to identify cassettes.
- The full ADC QS application should be started to make the **backup** task work.
- The display setting should be set to TRUE COLOR to make the **gateway** work properly.
- The **Regional Settings Properties** should be checked, that the decimal symbol is a point and the digit grouping symbol is a comma. Other settings cause problems by viewing with IMPAX.
- When **licenses** are gone during normal operation, select the option 'Restore Licenses' in the Startup->Agfa->ADC-QS->Tools menu.
  When new licenses are added or removed after delivery from production, make a backup of the licenses by selecting the option 'Backup Licenses' in the Startup->Agfa->ADC-QS->Tools menu.



- If **backup task** from task manager is executed it may take up to 10 minutes. Time depends on the number of images. The system gives no feedback if backup task is running. You can check the progress at NT Explorer directory J:\BackupCompas; as long as the file size is growing the backup is running.

1.2 Task Manager

General

- Some tasks allow freely editing and deleting of its parameters. If these parameters are removed (by a wrong user operation), it is very hard to find back the correct parameter names. Therefore we recommend **not to edit the task parameters at all**. The default parameters are the tested ones and guarantee a proper working of the system!

If you are faced to a problem where a change of the settings may be necessary please **first contact an expert** (GSC).
If settings are already changed and the system does not run proper, please contact an expert (GSC).

- If status of a task in ADC QS task manager is ACTIVE_EXECUTING and the “Deactivate” button is used, the task status is changed to INACTIVE_EXECUTING. This is an invalid status and it is not possible to make this task running again. Prevention: Never use “Deactivate” button while task status is ACTIVE_EXECUTING.

- The Configuration Viewer task manager does not update the status of a task when it changes. The only way to verify if a task is still running is in the NT-task scheduler.

- A task only works when server is running. Editing a task while the server is not running gives an error which can not be bypassed. In order to be sure that the server is running reset ADC QS Software, also if a problem occurs reset the ADC QS Software.

QC Phantom task

- The task manager lists QC Phantom task as ACTIVE, but this task is INACTIVE. This task is not implemented and can not be edited.

1.3 Troubleshooting

- **Locked File Problem after upgrade from Web Admin**
  If during an installation you receive the error message 'An error occurred during the data move process - 115', then a program file is currently locked by the system and can't be replaced. To rectify this, stop the following services from the Control Panel::Services applet:
  Spooler
  World Wide Web Publishing Service
  Now retry the installation. It should now work as the program files are in the unlocked state.

- **Permissions Problem:**
  At present, you should have **local machine Administrator** privileges to install ADC-QS. This means you must install under ***Administrator*** account or the ***compas*** account must be a member of Administrators group. The compas account is added to Administrators group during the Server installation.
  Without Administrator privileges may experience the locked files problem described above. Also you won't be able to set up any local printers on the system.

- **Missing Configuration:**
  If for some reason the configuration settings are missing, you can run the ***Restore*** task to recover them (assuming you did back a backup originally). From the configuration viewer – select **Restore** from the list, click <Modify>, ensure field 'OnlyRestoreConfig' is set to 1 (one). Click <OK>. Click now on <Activate> if the task is INACTIVE, then click <Execute>.
  The settings are restored. Click on desktop button 'Reset ADC-QS' to activate the restored settings.

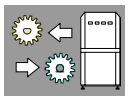
- **Images Not Visible:**
  If for some reason the images are not visible, you can run the ***Restore*** task to recover them (assuming you did back a backup originally). From the configuration viewer – select **Restore** from the list, click <Modify>, ensure field 'OnlyRestoreConfig' is set to 0 (zero). Click <OK>. Click now on <Activate> if the task is INACTIVE, then click <Execute>. The settings and data are restored. Click on desktop button 'Reset ADC-QS' to activate the restored settings.

- **Printing Problems from Client**
  In case of printing problems from client check:
  - Printer has to be installed as a NT network printer on the client station. Print server has to be the ADC QS server.
  - Check `System monitoring`
    `Network`
    `Protocols`
    Here you must find 'TCP/IP-Protocol' and 'NetBEUI Protocol'.

- **Wrong window level values**
  Window level values are wrong if the "Regional Settings Properties" are incorrect. Check that that the `Decimal symbol` is a point
  and the `Digit grouping symbol` is a comma at the tab "Number".

- **"Layout" and "TextBox" Editor at "Tools" menu**
  The "Layout" and "TextBox" Editor are now to find at the "Tools" menu in the main menu bar.

- **Uninstaller setup failed to initialize**
  During installation the message "Uninstaller setup failed to initialize. You may not be able to uninstall this product." pops up. This prevents the "Uninstall" button from being created in the Add/Remove Programs applet and the application normally cannot be uninstalled.
  This occurs because the Uninst.isu file in the install target folder (that is the location where you are installing to) has become corrupt. To remedy this, you need to delete all files in the install target folder, and try again



1 Integrating ADC-QS into an Existing NT Domain

By default the systems delivered by AGFA are set up to operate in an unmanaged ‘peer to peer’ network pool called ‘WORKGROUP’. This name ‘WORKGROUP’ is the same for all language versions of ADC-QS.

Further to this the ADC-QS Server and Client machines are set up with 2 local machine accounts:

Account	Password
administrator	(empty)
compas	compas98

Both these accounts are members of ‘Administrator’ group on the local machine. By default ADC-QS runs under the ‘compas’ account. The advantage of running ADC-QS as part of ‘WORKGROUP’ is that the administration tasks are much reduced – the downside to this is that there is almost no security in place.

In many hospital environments ADC-QS will be used as part of a secure NT domain. To add new ADC-QS systems to the domain will require assistance from the local NT Domain Administrator (who has the passwords and authority required). Follow the sequence below to add an ADC-QS Server or Client into a domain:

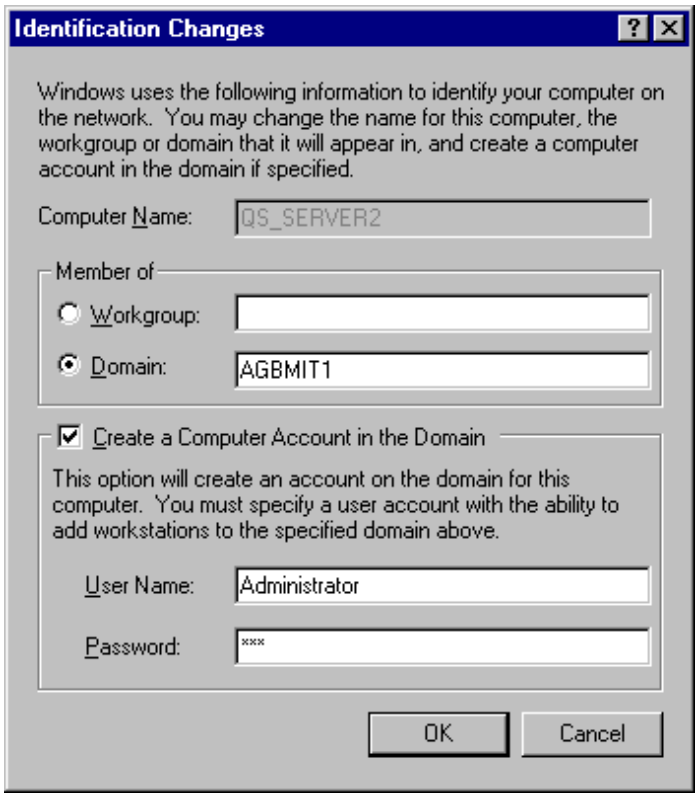
1.1 ADC QS System Name

Change the system name to the new name assigned by the domain administrator – Start Menu::Settings::Control Panel::Network::Identification, click on button ‘Change’, enter the new name, click <OK> . Click <OK> on confirmation dialog, click <Close> on the network control panel, dialog ‘… You must shut down and restart your computer… Restart now’, click <Yes>. The system restarts.

Changing the computer name results automatically also in a change of the host name (standard NT behavior).
This change of name also has to be written in manually in the cpf-file, otherwise the gateway will not start.

1.2 Add ADC-QS System to Domain

Log back in as local system *Administrator* (blank password). Hold down the shift key to defeat any auto-login. Once logged in, stop any ADC-QS auto-start (Server only). From Start Menu::Settings::Control Panel::Network::Identification, click on button 'Change', click on radio button 'Domain', enter the domain name. Select checkbox 'Create Computer Account in the Domain', enter the **Domain Administrator** name and password. Click <OK>.

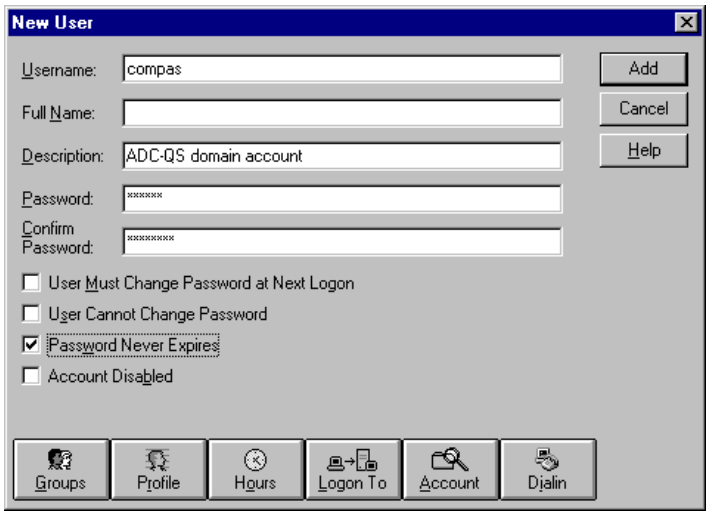

Identification Changes
Windows uses the following information to identify your computer on the network. You may change the name for this computer, the workgroup or domain that it will appear in, and create a computer account in the domain if specified.
Computer Name:
QS_SERVER2
Member of
Workgroup:
Domain:
AGBMIT1
Create a Computer Account in the Domain
This option will create an account on the domain for this computer. You must specify a user account with the ability to add workstations to the specified domain above.
User Name:
Administrator
Password:
***
OK
Cancel

Upon success the message 'Welcome to <Domain Name>' will popup. Click <OK>, then <Close>, dialog '… You must shut down and restart your computer… Restart now', click <Yes>. The system restarts.

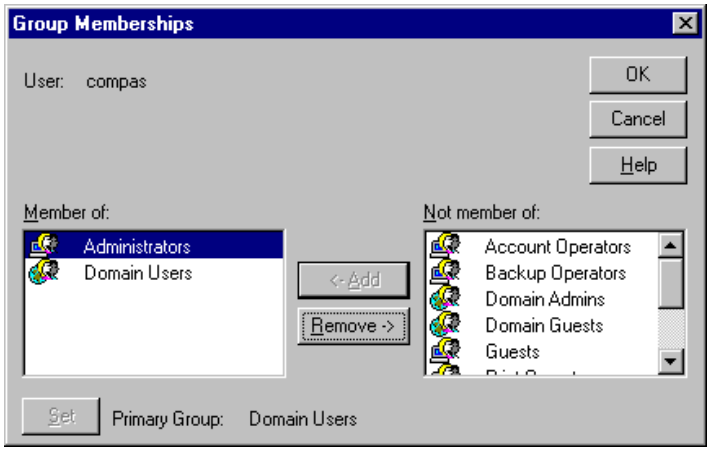
1.3 Add Compas Account to Domain

Note: The compas account only needs to be added one time to the domain. If this step has already been completed, skip ahead now to **1.4**.

Logon as **domain administrator** in the new domain. Select Start Menu::Programs::Administrative Tools (Common)::User Manager for Domains.
Select menu entry 'User::New User' and add the compas details as shown below (the password is ***compas98*** as usual). Note especially the checkbox settings.



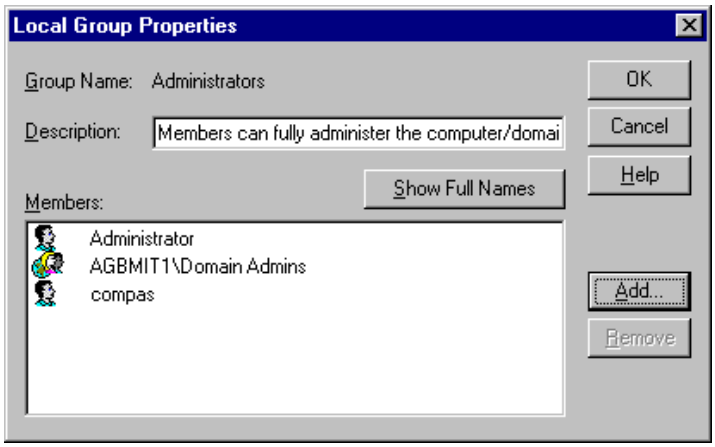
Select now the 'Groups' button. The following dialog is displayed:



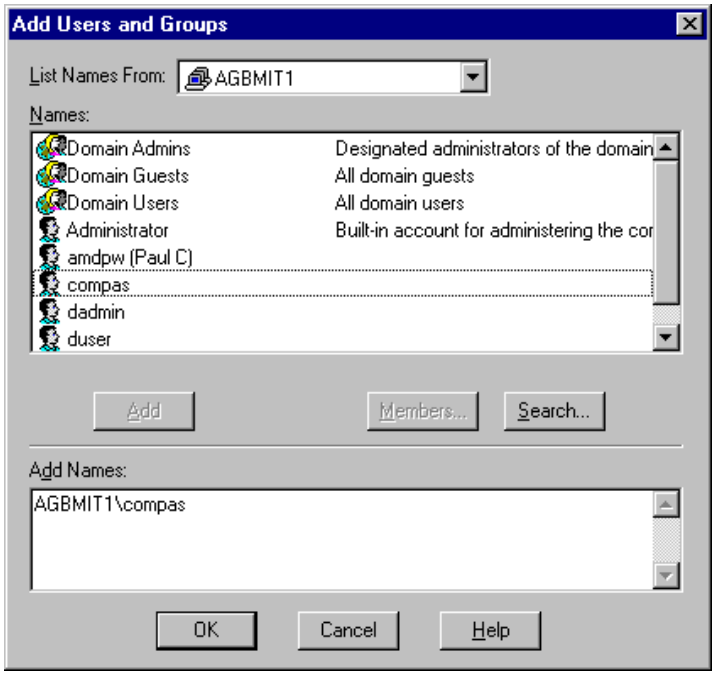
Ensure ***compas*** is member of 'Administrators' and 'Domain Users' (select from the list on the right). Click <OK>., then <OK> again back in the 'New User' dialog. The ***compas*** user then shows up in the 'Username' list. Close the User Manager (Alt-F4, or menu User::Exit). Log off now as **domain administrator** (Start Menu::Shut Down::Close all programs and log on as a different user).

1.4 Adding Domain User to Local System

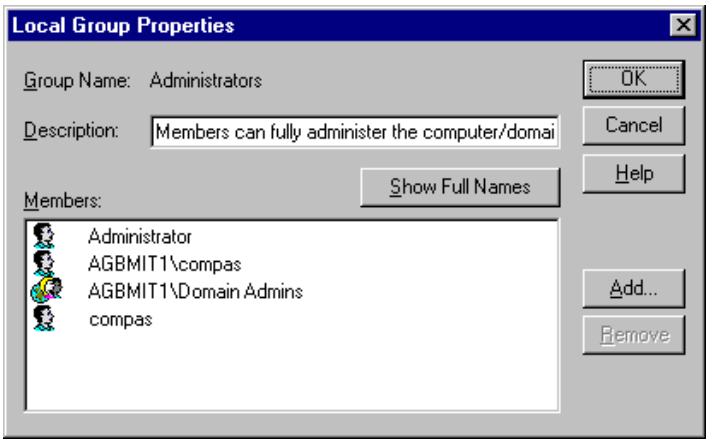
Log back in as local system *Administrator* (**not domain logon !**). Start again the 'User Manager for Domains', double click on 'Groups->Administrators' in the list at the bottom half of the screen.



Click now on 'Add', select ***compas*** from the Names list of the domain, click on <Add>, the domain compas account is added to the Add Names list:



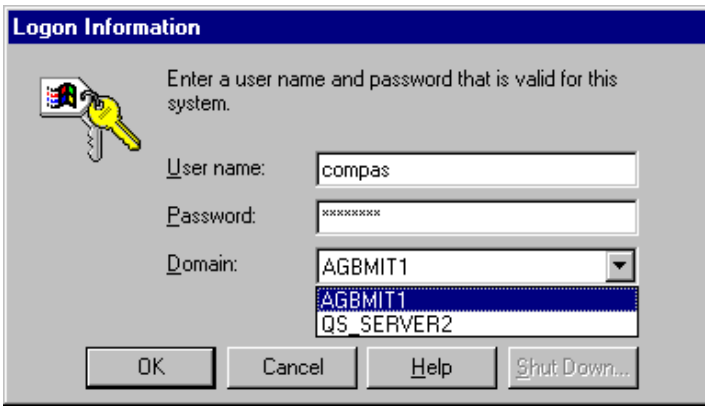
Click then on <OK> to close this dialog. The ***domain name\compas*** account will show up in the Local Group Properties::Members list:



Click then on <OK> to close this dialog. Close the User Manager (Alt-F4, or menu User::Exit).

1.5 Logging onto the Domain

Log-off from the local system ('Start Menu::Shut down::Close all programs and log-on as different user') ,then re-logon **using the domain account** as shown below:



Once logged in, ADC-QS is now available for use.

Notes:

a) The auto-login and auto-shutdown feature of ADC-QS Server is still working under domain log-in. To bypass the auto-login, hold down the *Shift* key during the login phase.

b) The domain administrator will normally carry out sections **1.3** and **1.4** for you. In this way you do not have to make a request for the domain administrator account and passwords.

c) Procedures for setting up printers and other devices from the ADC-QS Server remain the same under domain login.